

# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

August 24, 2004

NOTICE TO:

All Prequalified Contractors,

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Good Faith Effort Reports

Those contractors who did not meet or exceed the goals set for their respective projects must submit a complete set of Good Faith Effort reports by 12:00 noon of the sixth day following opening of bids. For a complete set, the Department requires one (1) original and nine (9) copies (for a total of ten) of the report. Please see the project Special Provisions for details and for the sanctions that may be imposed by the Department where the bidder fails to provide the required information by the deadline.

The Goal Compliance Committee reviews and makes recommendations regarding Good Faith Effort reports which are submitted to the Department. The Committee would like to request that bidders include with their Good Faith Effort reports a spreadsheet showing a comparison of all subcontractors' quotes. An example spreadsheet can be obtained from Mr. Greg Keel, PE in Contractual Services. He can be reached at (919) 733-7174 or <a href="mailto:gkeel@dot.state.nc.us">gkeel@dot.state.nc.us</a>. Email requests are recommended. Please place in the subject line of your email request: **Subcontractor Quote Comparison Spreadsheet**. This document greatly facilitates the review process. In the near future, this will be added to the project Special Provisions. Your cooperation with this request is appreciated.

If you have any questions, I can be reached at (919) 250-4124.



### STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY · GOVERNOR

LYNDO TIPPETT SECRETARY

July 20, 2004

NOTICE TO:

All Prequalified Contractors abum

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Disadvantaged/Minority/Women Business Directory

Beginning with the August 17, 2004 letting when filling orders for Plans and Proposals the Department will discontinue including a printed copy of the DBE/MBE/WBE directory.

The DBE/MBE/WBE directory can be found at the following website location: (http://www.ncdot.org/administration/civilrights/dbedir/). This directory is updated daily and serves as the most current information available to assist the contracting industry in meeting the contract goals.

As important as the above directory, the Current DBE File located at (http://www.doh.dot.state.nc.us/preconstruct/highway/dsn\_srvc/contracts/expedi/) will be updated each month at advertisement and on the Friday before the Highway letting to access the most current information when preparing your electronic bids. The file should be downloaded each month and stored in the same directory as the .EBS files.

If you have any questions, I can be reached at (919) 250-4124.

WEBSITE: WWW.DOH.DOT.STATE.NC.US



## STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT

January 20, 2004

NOTICE TO:

All Prequalified Contractors

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Electronic Bid Bond, Non-Collusion Affidavit, and Debarment

Certification

As we move toward total electronic bid submittals, we are implementing the following changes effective with the March 16, 2004 formal highway letting.

- The Department will require an electronic bid bond to be included with each electronic bid submission.
- 2. In order to comply with Federal and State laws and regulations, an original, properly executed Non-Collusion Affidavit, and Debarment Certification must be on file in the Contract Office from each prospective bidder prior to submitting an electronic bid. It will not be necessary that it be submitted with each bid and letting. The Non-Collusion Affidavit, and Debarment Certification filed with the Department will be valid for all bids submitted through the December 21, 2004 letting.

Properly executed forms shall be delivered to the Department no later than 5:00 p.m. the day prior to the advertised letting in which you intend to submit your first total electronic bid. Forms may be downloaded from the following web-site:

(http://www.doh.dot.state.nc.us/preconstruct/highway/dsn\_sryc/contracts/letting.htm).

The form shall be placed in a sealed envelope with the Contractor name clearly labeled, and delivered to:

Physical Address: State Contract Officer Design Services Unit Century Center Bldg. B 1020 Birch Ridge Drive Raleigh, NC 27610 Mailing Address:
State Contract Officer
NC Department of Transportation
Contracts and Proposals
1591 Mail Service Center
Raleigh, NC 27699-1591

We will be formulating procedures for renewal in the near future and will involve the industry as they are developed.

If you have any questions, please do not hesitate to call me at (919) 250-4124.

MAILING ADDRESS: NC DEPARTMENT OF TRANSPORTATION DESIGN SERVICES UNIT 1591 MAIL SERVICE CENTER RALEIGN, NC 27690-1591 TELEPHONE: 919-250-4124 FAX: 919-250-4127

WEBSITE: WWW.DOH.DOT.STATE.NC.US

LOCATION: CENTURY CENTER COMPLEX ENTRANCE B15 1020 BIRCH RIDGE DRIVE RALEIGH, NC 27810

#### STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATON INVITATION TO BID

ELECTRONIC BIDS FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE PROJECT SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON **OCTOBER 19, 2004**. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2:00 PM.

BIDS SHALL BE SUBMITTED IN ACCORDANCE WITH THE SPECIAL PROVISION TITLED "ON-LINE ELECTRONIC BIDDING" CONTAINED IN EACH PROPOSAL FORM.

- 1. AN ORIGINAL PROPERLY EXECUTED NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION SHALL BE ON FILE IN THE CONTRACT OFFICE FROM EACH PROSPECTIVE BIDDER PRIOR TO SUBMITTING AN ELECTRONIC BID. FORMS ARE AVAILABLE AT
- http://www.doh.dot.state.nc.us/preconstruct/highway/dsn srvc/contracts/letting.htm
- 2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.
- 3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE http://www.doh.dot.state.nc.us/preconstruct/highway/dsn srvc/contracts/letting.htm

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

CONTRACTOR'S LICENSE: A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

STATE PRIVILEGE LICENSE TAXES: CONTRACTORS WHO BID UPON AND/OR ARE AWARDED NORTH CAROLINA HIGHWAY CONSTRUCTION PROJECTS ARE SUBJECT TO CONTRACTOR BIDDERS AND/OR CONTRACTOR PROJECT PRIVILEGE LICENSE TAXES UNDER G.S. 105-54 OF THE STATE REVENUE LAWS. FOR INFORMATION, WRITE TO THE NORTH CAROLINA DEPARTMENT OF REVENUE, LICENSE AND EXCISE TAX DIVISION, P.O. BOX 25000, RALEIGH, NC 27640, OR CALL 919-733-3673.

PREQUALIFYING TO BID: ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE MANAGER OF CONSTRUCTION, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1543 MAIL SERVICE CENTER, RALEIGH, N. C., 27699-1543. ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE MANAGER OF CONSTRUCTION AT LEAST TWO WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDDERS THAT IT WILL AFFIRMATIVELY INSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT \$25.00 EACH, PLANS (SMALL SIZE) AT \$40.00 PER SET, PLANS (LARGE SIZE) AT \$100.00 PER SET, AND CROSS-SECTIONS AT \$40.00 PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-250-4124), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, PROJECT SERVICES UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 7% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "N.C. DEPARTMENT OF TRANSPORTATION".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

TODAY'S DATE IS SEPTEMBER 21, 2004.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)

#### REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

IN ORDER TO FACILITATE AND ENCOURAGE THE INVOLVEMENT OF MINORITY BUSINESS ENTERPRISES IN THE HIGHWAY CONSTRUCTION PROCESS, IT IS THE POLICY OF THE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, THAT A SET OF PLANS AND PROPOSAL FOR EACH PROJECT TO BE LET WILL BE MAINTAINED FOR REVIEW BY ANY CONTRACTOR INTERESTED IN BIDDING UPON OR QUOTING WORK IN AN ADVERTISED PROJECT.

THE PROPOSALS AND PLANS WILL BE AVAILABLE FOR REVIEW BEGINNING TWO WEEKS PRIOR TO THE DATE OF BID OPENING IN THE DIVISION OFFICE WHICH WILL ADMINISTER THE CONTRACT. THE DEPARTMENT WILL, UPON REQUEST, MAKE AVAILABLE FROM ITS STAFF A PERSON TO EXPLAIN THE PROPOSED PROJECT AND TO ANSWER GENERAL QUESTIONS RELATING TO THE PROJECT. THE PLANS AND PROPOSALS CAN BE REVIEWED ANY TIME MONDAY THRU FRIDAY, EXCLUDING HOLIDAYS, BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M. IN THE DIVISION OFFICE. IN ORDER TO HAVE A MEMBER OF THE STAFF EXPLAIN THE PROJECT AND/OR ANSWER GENERAL QUESTIONS PERTAINING TO THE PROJECT, PRIOR APPOINTMENTS MUST BE MADE BY CALLING THE APPROPRIATE DIVISION OFFICE.

FOLLOWING ARE THE LOCATIONS AND TELEPHONE NUMBERS OF THE OFFICES IN WHICH THE PLANS AND PROPOSALS WILL BE MADE AVAILABLE, REFERENCE SHOULD BE MADE TO THE SHEETS CONTAINING THE INDIVIDUAL PROJECT QUANTITIES TO DETERMINE WHICH DIVISION OFFICE WILL ADMINISTER THE CONTRACT

DIV NO.	<u>DIVISION ENGINEER</u>	<b>LOCATION</b>	<u>TOWN</u>	<b>TELEPHONE</b>
00001	A. W. Roper, PE	113 AIRPORT DR. SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr.	105 PACTOLUS ROAD	GREENVILLE	(252) 830-3490
00003	H. A. Pope	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Jim H. Trogden, PE	509 WARD BOULEVARD	WILSON	(252) 237-6164
00005	J. G. Nance	2612 NORTH DUKE STREET	DURHAM	(919) 560-6851
00006	T. R. Gibson	558 GILLESPIE STREET	FAYETTEVILLE	(910) 486-1493
00007	J. M. Mills	1534 YANCEYVILLE STREET	GREENSBORO	(336) 334-3192
80000	Tim Johnson, PE	902 N. SANDHILLS BOULEVARD	ABERDEEN	(910) 944-2344
00009	S. P. Ivey	2125 CLOVERDALE AVENUE	WINSTON-SALEM	(336) 631-1340
00010	B. G. Payne	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A. Pettyjohn, PE	NC-115 WEST	NORTH WILKESBORO	(336) 667-9111
00012	M. L. Holder	1710 EAST MARION STREET	SHELBY	(704) 480-5400
00013	J. J. Swain	55 ORANGE STREET	ASHEVILLE	(828) 251-6171
00014	R. G. Watson	253 WEBSTER ROAD	SYLVA	(828) 586-2141

#### = SUMMARY OF PROPOSALS ==

Bid Letting Number L041019							
RPN	Contract Id	WBS	County	Length	JobType		
*001	C200893	34336.3.4	ROBESON	18.189 KM	GRADING, DRAINAGE, PAVING, GUARDRAIL & STRUCTURES.		
002	C201265	37484	DARE	4.840 MI	WIDENING, DRAINAGE & RESURFACING.		
003	C200819	34442.3.3	ONSLOW	9.927 KM	WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.		
004	C200865	33325.3.1	ORANGE	0.175 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.		
005	C201004	33236.3.1	ROCKINGHAM	0.222 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.		
006	C201009	34850.3.2	GUILFORD	3.405 KM	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.		
007	C201284	37425	ALAMANCE	5.290 MI	WIDENING, MILLING, RESURFACING, GUARDRAIL & PVMT MARKINGS.		
800	C201007	34527.3.2	RICHMOND	3.620 KM	GRADING, DRAINAGE & PAVING.		
009	C201006	34153.3.2	FORSYTH	0.588 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.		
010	C201262	33671.3.1	DAVIDSON	0.341 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.		
011	C201005	33288.3.1	GASTON	0.227 MI	GRADING, DRAINAGE, PAVING & CULVERT.		
012	C200826	33046.3.2	BURKE	0.225 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.		
013	C200827	33088.3.2	HAYWOOD	0.133 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.		

\*For this project only, there will be an increase in pricing. Small Roadway and Structure plans will be \$60.00, X-sections will be \$60.00 and large Roadway and Structure plans will be \$200.00.

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L041019 001

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C200893 34336.3.4 DIV OFFICE FAYETTEVILLE LENGTH = 18.189 KM

COUNTY : ROBESON

GRADING, DRAINAGE, PAVING, GUARDRAIL & STRUCTURES.

#### MBE GOAL 12.0% WBE 6.0% COMPLETION DATE: DEC 31 2008

### US-74 FROM WEST OF SR-1157 (HENRY BERRY RD) TO WEST OF SR-1164 (BACK SWAMP RD) & FROM WEST OF SR-1164 TO NC-41.

		ROADWAY ITEMS	116.4	M	1350MM RC PIPE CULVERTS, CLASS
			33.6	M	III 1500MM RC PIPE CULVERTS, CLASS
Lump Sum	LS	MOBILIZATION	61.2	M	III 1650MM RC PIPE CULVERTS, CLASS
Lump Sum	LS	CONSTRUCTION SURVEYING			III
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM CRITICAL PATH METHOD SCHEDULE	100.8	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM			(1050MM)
		DESIGN AND CONSTRUCT I-95	686.4	M	****MM RC PIPE CULVERTS, CLASS
Lump Sum	LS	TEMP MEDIAN CROSSOVER DETOURS CLEARING & GRUBBING HEC-			IV (450MM)
		TARE(S)	69.6	M	****MM RC PIPE CULVERTS, CLASS
2	HA	SUPPLEMENTARY CLEARING & GRUB- BING			IV
7	EA	SEALING ABANDONED WELLS	56.4	М	(600MM)  ****MM RC PIPE CULVERTS, CLASS
120,000	M3	UNCLASSIFIED EXCAVATION	****		IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH	1,257.6	M	(750MM)
		FILL, STATION ************************************	1,237.0	IVI	400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH	64	EA	400MM BIT COAT CS PIPE ELBOWS,
		FILL, STATION ************************************	1 752 7	м	TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH	1,753.7 1,795	M M2	PIPE REMOVAL 150MM SLOPE PROTECTION
		FILL, STATION ********	Lump Sum	LS	FINE GRADING
Lump Sum	LS	(14+27.454 -Y5-) REINFORCED BRIDGE APPROACH	250	KG	SEALING EXISTING PAVEMENT
Lump Sum	LO	FILL, STATION **********	6,500	MTN	CRACKS & JOINTS STABILIZER AGGREGATE
		(15+85.303 -Y-)	464,200	MTN	AGGREGATE BASE COURSE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	4,000	MTN	INCIDENTAL STONE BASE
		(17+37.086 -Y3-)	97,650	L	PRIME COAT
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	2,400	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH
		(23+42.464 - Y5-)			(165MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH	123,400	MTN	ASPHALT CONC BASE COURSE, TYPE
		FILL, STATION ************************************	25 925	MTN	B25.0C ASPHALT CONC INTERMEDIATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	20,720		COURSE, TYPE I19.0B
		FILL, STATION ************************************	114,255	MTN	ASPHALT CONC INTERMEDIATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	16,750	MTN	COURSE, TYPE 119.0C ASPHALT CONC INTERMEDIATE
		FILL, STATION ********	10,720		COURSE, TYPE I19.0D
23,713	М3	(33+70.270 -Y3-) UNDERCUT EXCAVATION	30,880	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
4,596,500	M3	BORROW EXCAVATION	136,770	MTN	ASPHALT CONC SURFACE COURSE,
45,382	M3	DRAINAGE DITCH EXCAVATION	,		TYPE S12.5C
164,350	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	15,950	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5D
39,400	M2	BREAKING OF EXISTING ASPHALT	13,780	MTN	ASPHALT BINDER FOR PLANT MIX,
,		PAVEMENT			GRADE PG 64-22
207	HR	PROOF ROLLING	8,315	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
36,400 27,000	M3 M2	SELECT GRANULAR MATERIAL FABRIC FOR SOIL STABILIZATION	770	MTN	ASPHALT BINDER FOR PLANT MIX,
235	M2	TEMPORARY SHORING	242		GRADE PG 76-22
65	M2	TEMPORARY SHORING - BARRIER	213	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
541	M2	SUPPORTED GENERIC GRADING ITEM	87,000	M	MILLED RUMBLE STRIPS
341	1112	TEMPORARY FABRIC WALL	802	M3	SUBDRAIN EXCAVATION
2,380		SELECT MATERIAL, CLASS II	539	M3	SUBDRAIN FINE AGGREGATE
500	MTN	SELECT MATERIAL, CLASS IV FOUNDATION CONDITIONING MATE-	1,300 129	M EA	150MM PERFORATED SUBDRAIN PIPE 150MM SUBDRAIN PIPE WYES,
4,380	MTN	RIAL, MINOR STRS			TEES, & ELBOWS
8.4	M	****MM SIDE DRAIN PIPE	9	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
192	M	(750MM) 375MM SIDE DRAIN PIPE	18	M	150MM OUTLET PIPE (SUBDRAINS)
115.2	M	450MM SIDE DRAIN PIPE	7,735	M	SHOULDER DRAIN
4,155.6	M	375MM RC PIPE CULVERTS, CLASS	7,735	M	100MM SHOULDER DRAIN PIPE
2.466		III	366	M	100MM OUTLET PIPE (SHOULDER DRAINS)
2,466	M	450MM RC PIPE CULVERTS, CLASS III	99	EA	CONCRETE PAD FOR SHOULDER
1,033.2	M	600MM RC PIPE CULVERTS, CLASS	, ·	1.72	DRAIN PIPE OUTLET
1.200		III	182.4 20.5	M3	ENDWALLS REINFORCED ENDWALLS
1,266	M	750MM RC PIPE CULVERTS, CLASS III	11.78	M3 M3	PIPE COLLARS
657.6	M	900MM RC PIPE CULVERTS, CLASS	0.32	M3	PIPE PLUGS
991.2	M	III 1050MM RC PIPE CULVERTS, CLASS	232	EA	MASONRY DRAINAGE STRUCTURES
991.2	IVI	III	21.86	M EA	MASONRY DRAINAGE STRUCTURES
612	M	1200MM RC PIPE CULVERTS, CLASS	1	ĿА	FRAME WITH GRATE, STD 840.**** (840.16)
		III	1	EA	FRAME WITH GRATE, STD 840.22

			Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA
					********* (276+80.00-L-)
33	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA
163	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	(278+40.00-L-) OVERHEAD SIGN ASSEMBLY AT STA ********
15	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	(28+00.00-COAD-) OVERHEAD SIGN ASSEMBLY AT STA
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	Zump Sum	25	**************************************
4	EA	(E) FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ********* (292+40.00-L-)
4	EA	(F) FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ********************************
1	EA	(G) FRAME WITH COVER, STD 840.54	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA
1	EA	CONCRETE APRON FOR DROP INLETS	Lymn Cym	LS	(303+40.00-L-) OVERHEAD SIGN ASSEMBLY AT STA
1,900 650	M M	750MM CONCRETE CURB & GUTTER SHOULDER BERM GUTTER	Lump Sum	Lo	********
117	M2	150MM CONCRETE DRIVEWAY			(32+40.00-COBC-)
1,075	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ********
305	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	Lump Sum	LS	(36+40.00-COAD-) OVERHEAD DYNAMIC MESSAGE SIGN
11	EA	ADJUSTMENT OF DROP INLETS			ASSEMBLY "DMS-**" (1)
8	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	Lump Sum	LS	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**"
2	EA	GENERIC DRAINAGE ITEM CONVERT EXIST JUNCTION BOX TO 2 GRATE INLET	Lump Sum	LS	(2) OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**"
10	EA	IMPACT ATTENUATOR UNIT, TYPE 350	47	EA	(3) SIGN ERECTION, TYPE D
11,490.96	M	STEEL BM GUARDRAIL	234	EA	SIGN ERECTION, TYPE E
441.96	M	STEEL BM GUARDRAIL, SHOP	68	EA	SIGN ERECTION, TYPE F
		CURVED	40	EA	SIGN ERECTION, TYPE ***
348.81	M	STEEL BM GUARDRAIL, DOUBLE FACED			(GROUND MOUNTED) (A)
20 45	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE CAT-1	44	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
30	EA	GUARDRAIL ANCHOR UNITS, TYPE	29	EA	SIGN ERECTION, MILEMARKERS
70	EA	III GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA
23	EA	GUARDRAIL ANCHOR UNITS, TYPE			(24+00.00-COBC-)
24	EA	M-350 GUARDRAIL ANCHOR UNITS, TYPE	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ******
3,061.3	M	B-77 REMOVE & STOCKPILE EXISTING GUARDRAIL	Lump Sum	LS	(264+40.00-L-) LRS LIGHTING SYSTEM FOR OVER-
10,800	M	CABLE GUIDERAIL	Lump Sum	LO	HEAD SIGN ASSEMBLY AT STA
13,050	M	DOUBLE FACED CABLE GUIDERAIL			******* (270+50.00-L-)
106	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER-
2,000	M	GENERIC GUARDRAIL ITEM RESET DOUBLE FACED CABLE	Eurip Guir	Lo	HEAD SIGN ASSEMBLY AT STA ******
8	EA	GUIDERAIL GENERIC GUARDRAIL ITEM	Lump Sum	LS	(276+80.00-L-) LRS LIGHTING SYSTEM FOR OVER-
	2.1	RESET DOUBLE FACED CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	Lo	HEAD SIGN ASSEMBLY AT STA
38,140	M	WOVEN WIRE FENCE, 1200MM FAB- RIC	T 0		(278+40.00-L-)
8,140	EA	100MM TIMBER FENCE POSTS, ****M LONG	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ******
1,430	EA	(2.3M) 125MM TIMBER FENCE POSTS,	Lump Sum	LS	(28+00.00-COAD-) LRS LIGHTING SYSTEM FOR OVER-
1,430	Lit	****M LONG (2.5M)	Zump Jum	LU	HEAD SIGN ASSEMBLY AT STA
3,814	M	ADDITIONAL BARBED WIRE			(285+30.00-L-)
425	MTN	PLAIN RIP RAP, CLASS I	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER-
91	MTN	PLAIN RIP RAP, CLASS II			HEAD SIGN ASSEMBLY AT STA
1,080	MTN	PLAIN RIP RAP, CLASS B			(292+40.00-L-)
10,765	M2	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER-
8	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			HEAD SIGN ASSEMBLY AT STA
48	M3	REINFORCED CONCRETE SIGN FOOT- INGS	Lump Sum	LS	(293+37.00-L-) LRS LIGHTING SYSTEM FOR OVER-
6 27,195	M3 KG	PLAIN CONCRETE SIGN FOOTINGS SUPPORTS, BREAKAWAY STEEL BEAM			HEAD SIGN ASSEMBLY AT STA ******
621	KG	SUPPORTS, SIMPLE STEEL BEAM			(303+40.00-L-)
2,350	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA
29	EA	SUPPORTS, 3KG STEEL U-CHANNEL			******* (32+40.00-COBC-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA
Lump Sum	LS	(24+00.00-COBC-) OVERHEAD SIGN ASSEMBLY AT STA			******* (36+40 00-COAD-)
Lump Sum	பல	************ (264+40.00-L-)	2	EA	(36+40.00-COAD-) RELOCATE SIGN, TYPE *****
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA	4	EA	(A, GROUND MOUNTED) DISPOSAL OF SUPPORT, STEEL
		**************************************	27	E A	BEAM
			27	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM

			48	EA	PAINT PAVEMENT MARKING CHARACTER
251	EA	DISPOSAL OF SIGN SYSTEM, U-	878 26,576	EA M	PAINT PAVEMENT MARKING SYMBOL REMOVAL OF PAVEMENT MARKING
		CHANNEL	21,006	M	LINES (100MM) REMOVAL OF PAVEMENT MARKING
28 1	EA EA	DISPOSAL OF SIGN SYSTEM, WOOD DISPOSAL OF SIGN, A OR B	240	M	LINES (150MM) REMOVAL OF PAVEMENT MARKING
7	EA	(GROUND MOUNTED) DISPOSAL OF SIGN, MILEMARKER	80	M	LINES (200MM) REMOVAL OF PAVEMENT MARKING
12 Lump Sum	EA LS	TEMPORARY SIGN COVERS DYNAMIC MESSAGE SIGN SYSTEM			LINES (600MM)
Damp Sam	20	"DMS**" (1)	10	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM "DMS**"	1,950	EA	PERMANENT RAISED PAVEMENT MARKERS
	1.0	(2)	3,272	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM "DMS**"	468 200	EA EA	FLEXIBLE DELINEATORS (CRYSTAL) FLEXIBLE DELINEATORS (YELLOW)
Lump Sum	LS	(3) DYNAMIC MESSAGE SIGN SYSTEM	80	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
		"DMS**" (4)	1,652	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS *******
1	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM ON			(VI)
1	EA	SPAN WIRE GENERIC SIGNING ITEM	1,652	MTN	BEDDING MATERIAL, UTILITIES CLASS ***********************************
90	M2	FURNISH DMS CONTROLLER WORK ZONE SIGNS (BARRICADE	36	MTN	(IV) PAVEMENT REPAIR FOR UTILITY
4	EA	MOUNTED) FLASHING ARROW PANELS, TYPE C	67	M	WORK 150MM DI WATER PIPE, PC
10	EA	CHANGEABLE MESSAGE SIGNS	425	M	2.41MPA 150MM PVC WATER PIPE, SDR 21,
28 750	EA EA	WARNING FLAG SETS DRUMS	4,706	M	1.38MPA WP 200MM PVC WATER PIPE, SDR 21,
750 1,320	EA M	CONES BARRICADES (TYPE III)			1.38MPA WP
1,000	MD	FLAGGER	2,553	M	300MM PVC WATER PIPE, SDR 21, 1.38MPA WP
24 16	EA EA	WARNING LIGHTS (TYPE B) TEMPORARY CRASH CUSHIONS	4,528	KG	DUCTILE IRON WATER PIPE FIT- TINGS, 1.72MPA MIN WP
24 5	EA EA	RESET TEMPORARY CRASH CUSHIONS TRUCK MOUNTED IMPACT ATTENUA-	9	EA EA	20MM CORPORATION STOP 40MM CORPORATION STOP
4,133	M	TOR (60 MPH) PORTABLE CONCRETE BARRIER	1 11	EA EA	50MM CORPORATION STOP
60	M	PORTABLE CONCRETE BARRIER			150MM GATE VALVE & VALVE BOX, 1.38MPA WP
9,800	M	(ANCHORED) RESET PORTABLE CONCRETE BAR-	7	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP
150	HR	RIER POLICE	2	EA	(1.38MPA WP) 300MM GATE VALVE & VALVE BOX,
1,363	M	GENERIC TRAFFIC CONTROL ITEM TEMPORARY GLARE SCREEN			****MPA WP (1.38MPA WP)
11	M2	GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS - FLUORESCENT	2	EA	*** X ***MM TAPPING SADDLE (150MM X 20MM)
		ORANGE SHEETING (BARRICADE MO UNTED)	6	EA	*** X ***MM TAPPING SADDLE (200MM X 20MM)
201	M2	GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS - FLUORESCENT	1	EA	*** X ***MM TAPPING SADDLE (200MM X 40MM)
524	142	ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM	1	EA	*** X ***MM TAPPING SADDLE (200MM X 50MM)
524	M2	WORK ZONE SIGNS - FLUORESCENT	2	EA	*** X ***MM TAPPING SADDLE
1,172	M	ORANGE SHEETING (STATIONARY) REMOVABLE TAPE PAVEMENT MARK-	11	EA	(300MM X 20MM) RELOCATE EXISTING WATER METER
1,135	M	ING LINES (100MM) REMOVABLE TAPE PAVEMENT MARK-	5	EA EA	REMOVE EXISTING WATER METER FIRE HYDRANT, ****MPA WP
55	M	ING LINES (150MM) REMOVABLE TAPE PAVEMENT MARK-	8	EA	(1.38MPA WP) RELOCATE EXISTING FIRE HYDRANT
324	M	ING LINES (200MM) REMOVABLE TAPE PAVEMENT MARK-	2,428	M	FILL OR REMOVE ABANDONED 300MM PIPE, *********
9,888	EA	ING LINES (300MM) TEMPORARY RAISED PAVEMENT	207	м	(PVC WATER) GENERIC UTILITY ITEM
88,621	M	MARKERS THERMOPLASTIC PAVEMENT MARKING	207	M	20MM PE WATER TUBING, SDR 7, PC 1.38
		LINES (100MM, 2.3MM)	524	M	GENERIC UTILITY ITEM
15,086	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)			300MM STEEL ENCASEMENT PIPE, 4.77MM THICK, BY OPEN CUT
32,781	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)	3	M	GENERIC UTILITY ITEM 40MM PE WATER TUBING, SDR 7,
2,823	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)	140	M	PC 1.38 GENERIC UTILITY ITEM
4,347	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)			50MM PE WATER TUBING, SDR 7, PC 1.38
1,942	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)	25,500 2.485	M MTN	TEMPORARY SILT FENCE STONE FOR EROSION CONTROL,
186	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	21,675		CLASS A STONE FOR EROSION CONTROL,
90	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)			CLASS B
617,119	M	PAINT PAVEMENT MARKING LINES	311.5	HA	SEDIMENT CONTROL STONE TEMPORARY MULCHING
116,105	M	(100MM) PAINT PAVEMENT MARKING LINES	17,900 145	KG MTN	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
10,758	M	(150MM) PAINT PAVEMENT MARKING LINES	2,860	M	ING TEMPORARY SLOPE DRAINS
5,716	M	(200MM) PAINT PAVEMENT MARKING LINES	199	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,472	M	(300MM) PAINT PAVEMENT MARKING LINES	41,255	M3	SILT EXCAVATION
-,2		(600MM)	53,680 1,600	M2 M	MATTING FOR EROSION CONTROL 6.4MM HARDWARE CLOTH

			350	M	GENERIC SIGNAL ITEM UNDERGROUND POLYETHYLENE CONDUIT(S) (50MM)(1)
426	HA	SEEDING & MULCHING	300	M	GENERIC SIGNAL ITEM
168.5	HA	MOWING			UNDERGROUND POLYETHYLENE
3,650	KG	SEED FOR REPAIR SEEDING			CONDUIT(S) (50MM)(2)
12.5	MTN	FERTILIZER FOR REPAIR SEEDING			(30/11/1/2)
11,925 716	KG MTN	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING			
1.75	HA	SPECIALIZED SEEDING UNDER			CULVERT ITEMS
		GUIDERAIL & GUARDRAIL (CENTI-			CULVERTITEMS
95	HR	PEDE) SPECIALIZED HAND MOWING			
40	EA	RESPONSE FOR EROSION CONTROL	Lump Sum	LS	CULVERT EXCAVATION, STA *****
11	HA	REFORESTATION	Lymn Cym	1.0	(12+02.000 -Y1-)
965	M	SIGNAL CABLE	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (252+60.000 -L-)
32	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	226.7	MTN	FOUNDATION CONDITIONING MATER-
890	M	MESSENGER CABLE (9.52MM)	279.2	M2	IAL, BOX CULVERT
1,063	M	TRENCHING (UNPAVED)	278.3 23,631	M3 KG	CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT)
60	M	DIRECTIONAL DRILL POLYETHYLENE	,		
		CONDUIT, *****MM (** CONDUIT) (50MM, 1)			
60	M	DIRECTIONAL DRILL POLYETHYLENE			STRUCTURE ITEMS
		CONDUIT, *****MM (** CONDUIT)			STRUCTURE TIEMS
20	EA	(50MM, 2) JUNCTION BOX (STANDARD SIZE)			
16	EA	WOOD POLE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
16	EA	GUY ASSEMBLY			AT STATION ************************************
3	EA	25MM RISER WITH WEATHERHEAD	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
11 1,780	EA M	50MM RISER WITH WEATHERHEAD			** AT STATION ************************************
2,870	M	INDUCTIVE LOOP SAWCUT LEAD-IN CABLE	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
8	EA	METAL STRAIN SIGNAL POLE	<b>.</b>		** AT STATION ********
8	EA	SOIL TEST	Lumn Sum	1.0	(1,179+16.633 -L-)
40	M	DRILLED PIER FOUNDATION (***MM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION **********
		DIA) (1067MM)			(1,209+17.263 -L-)
15	EA	SIGN FOR SIGNALS	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION **********
3	EA	SIGNAL CABINET FOUNDATION			(1,256+58.326 -L-)
3	EA	CABINET BASE ADAPTER	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			** AT STATION ************************************
16	EA	DETECTOR CARD (TYPE 2070L)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
2	EA	GENERIC SIGNAL ITEM			** AT STATION ************************************
2	EA	CCTV CAMERA ASSEMBLY GENERIC SIGNAL ITEM	Lump Sum	LS	(1,277+68.339 -L- RT.) FOUNDATION EXCAVATION FOR BENT
2	LA	CCTV METAL POLE	Damp Sum	20	** AT STATION ********
2	EA	GENERIC SIGNAL ITEM		1.0	(1,277+68.339 -L-LT.)
		EQUIPMENT CABINET (POLE MOUNTED)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION *********
1	EA	GENERIC SIGNAL ITEM			(1,298+57.237 -L-)
		ETHERNET SWITCH	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
1	EA	GENERIC SIGNAL ITEM FURNISH CCTV CAMERA ASSEMBLY			(1,318+10.648 -L-)
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
		FURNISH CCTV TEST MONITOR			** AT STATION ************************************
1	EA	GENERIC SIGNAL ITEM FURNISH ETHERNET SWITCH	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
1	EA	GENERIC SIGNAL ITEM			** AT STATION ************************************
		FURNISH VIDEO DECODER	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO ENCODER	•		** AT STATION ************************************
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	(3,277+68.339 -L- RT.) FOUNDATION EXCAVATION FOR BENT
		FURNISH VIDEO MULTIPLEXER	Lump Sum	LO	** AT STATION ********
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO SIGNAL TESTING	# aaa		(3,277+68.339 -L-LT.)
		KIT	5,900	M3	UNCLASSIFIED STRUCTURE EXCAVA- TION
1	EA	GENERIC SIGNAL ITEM	12,815.9	M2	REINFORCED CONCRETE DECK SLAB
2	EA	FURNISH VIDEO/PTZ SYSTEM GENERIC SIGNAL ITEM	13,528.2	M2	GROOVING BRIDGE FLOORS
-	2.1	HIGH SPEED INTERNET ACCESS	1,479.1	M3	CLASS A CONCRETE (BRIDGE)
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
5	EA	MONITOR GENERIC SIGNAL ITEM			(17+37.086 -Y3-)
_		NEW ELECTRICAL SERVICE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
1	EA	GENERIC SIGNAL ITEM PROTOCOL CONVERTER			(179+16.633 -L-)
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************
		PTZ CONTROL PANEL			(209+17.263 -L-)
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
1	EA	VIDEO DECODER GENERIC SIGNAL ITEM			**************************************
•	2.1	VIDEO ENCODER	Lump Sum	LS	(256+58.326 -L-) BRIDGE APPROACH SLABS, STATION
1	EA	GENERIC SIGNAL ITEM	Damp Jum	20	******
1	EA	VIDEO MULTIPLEXER GENERIC SIGNAL ITEM	T C	10	(271+08.001 -L-)  RRIDGE APPROACH SLARS STATION
1	211	WIRELESS VIDEO/PTZ SYSTEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
Lump Sum	LS	GENERIC SIGNAL ITEM			(277+68.339 -L- LT.)
Lump Sum	LS	ITS SYSTEM INTEGRATION GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
-		SYSTEM COMPUTER INTEGRATION			(277+68.339 -L- RT.)
Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************* (298+57.237 -L-)

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION *************
		(318+10.648 -L-)
135,055	KG	REINFORCING STEEL (BRIDGE)
9,680	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,729,858	LS	APPROX KG STRUCTURAL STEEL
8,825.5	M	305MM PRESTRESSED CONC PILES
1,537.506	M	CONCRETE BARRIER RAIL
1,521.89	M	****MM CHAIN LINK FENCE
		(2080MM)
6,000	M2	100MM SLOPE PROTECTION
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY SUPPORT AT INTERIOR BENT @ STA. 17+37.086 -Y3-

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L041019 002

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C201265 37484 DIV OFFICE EDENTON LENGTH = 4.840 MI

**COUNTY** : DARE

WIDENING, DRAINAGE & RESURFACING.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE: MAY 26 2005

#### SR-1243 FROM NC-12 AT WHALEBONE JUNCTION SOUTH TO NC-12.

#### ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
300	LF	GENERIC PIPE ITEM
		15" PERFORATED HDPE PIPE WITH FILTER SOCK
112	LF	GENERIC PIPE ITEM
		30" HDPE PIPE CULVERT
25	TON	#57 STONE
470	TON	INCIDENTAL STONE BASE
9.68	SMI	SHOULDER RECONSTRUCTION
7,058	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
10,886	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
6,367	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,197	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
3	EA	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.16
75	LF	**"X **" CONCRETE CURB
		(8" X 18")
100	SY	4" CONCRETE SIDEWALK
200	SY	6" CONCRETE DRIVEWAY
2	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
49,632	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
31,020	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
80,652	LF	PAINT PAVEMENT MARKING LINES (4")
310	EA	PERMANENT RAISED PAVEMENT MARKERS
1,200	LF	TEMPORARY SILT FENCE
5	TON	STONE FOR EROSION CONTROL, CLASS B
700	SY	MATTING FOR EROSION CONTROL
5	ACR	SEEDING & MULCHING

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L041019 003

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C200819 34442.3.3 DIV OFFICE WILMINGTON LENGTH = 9.927 KM

COUNTY : ONSLOW

WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.

#### MBE GOAL 9.0% WBE 6.0% COMPLETION DATE: JUN 15 2007

### US-17 FROM SR-1327 & SR-1410 NORTH OF JACKSONVILLE TO SR-1330 & SR-1439 SOUTH OF BELGRADE & MAYSVILLE.

		ROADWAY ITEMS	35,100	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			2,900	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
Lump Sum	LS	MOBILIZATION	2,106	MTN	ASPHALT BINDER FOR PLANT MIX,
Lump Sum	LS LS	CONSTRUCTION SURVEYING CLEARING & GRUBBING HEC-			GRADE PG 70-22
Lump Sum	LS	TARE(S)	370	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
1.2	HA	SUPPLEMENTARY CLEARING & GRUB-	414	M3	SUBDRAIN EXCAVATION
		BING	207	M3	SUBDRAIN FINE AGGREGATE
32,800	M3	UNCLASSIFIED EXCAVATION	500	M	150MM PERFORATED SUBDRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	50	EA	150MM SUBDRAIN PIPE WYES,
		(182+87.400 LT LANE)	4	г.	TEES, & ELBOWS
Lump Sum	LS	REINFORCED BRIDGE APPROACH	4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
		FILL, STATION ************************************	8	M	150MM OUTLET PIPE (SUBDRAINS)
11,906	M3	UNDERCUT EXCAVATION	4.7	M3	ENDWALLS
24,000	MTN	CLASS IV SUBGRADE STABILIZA-	6.73	M3	PIPE COLLARS
		TION	19.6	M3	FLOWABLE FILL
158,700	M3	BORROW EXCAVATION	55 2.8	EA M	MASONRY DRAINAGE STRUCTURES
2,935 2,350	M3 M2	DRAINAGE DITCH EXCAVATION REMOVAL OF EXISTING ASPHALT	2.8	EA	MASONRY DRAINAGE STRUCTURES FRAME WITH GRATE, STD 840.22
2,330	1012	PAVEMENT	10	EA	FRAME WITH TWO GRATES, STD
22.25	HR	PROOF ROLLING			840.****
85,000	M3	SELECT GRANULAR MATERIAL	1	Ε.	(840.20)
85,000	M2	FABRIC FOR SOIL STABILIZATION	1	EA	FRAME WITH TWO GRATES, STD 840.16
287	M2	TEMPORARY SHORING	47	EA	FRAME WITH TWO GRATES, STD
745	MTN	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			840.22
156	M	375MM SIDE DRAIN PIPE	561	M	SHOULDER BERM GUTTER
96	M	450MM SIDE DRAIN PIPE	2	EA	MODIFIED CONCRETE FLUME
646.8	M	375MM RC PIPE CULVERTS, CLASS	82 308.7	M2 M2	150MM CONCRETE DRIVEWAY 125MM MONOLITHIC CONCRETE IS-
254		III	308.7	IVIZ	LANDS (SURFACE MOUNTED)
354	M	450MM RC PIPE CULVERTS, CLASS III	2	EA	CONVERT EXISTING JUNCTION BOX
715.2	M	600MM RC PIPE CULVERTS, CLASS			TO DROP INLET
		III	681.99	M	STEEL BM GUARDRAIL
147.6	M	750MM RC PIPE CULVERTS, CLASS	10	EA EA	ADDITIONAL GUARDRAIL POSTS
199.2	M	III 900MM RC PIPE CULVERTS, CLASS	3	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
177.2	141	III	8	EA	GUARDRAIL ANCHOR UNITS, TYPE
1	EA	*** X *** X ***MM RC PIPE TEES			III
		CLASS III (200MM V 450MM V 450MM)	10	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
34	M	(300MM X 450MM X 450MM) ***MM CS PIPE CULVERTS, ****MM	3	EA	GUARDRAIL ANCHOR UNITS, TYPE
		THICK			M-350
2		(300MM, 1.63MM)	15,400	M	WOVEN WIRE FENCE, 1200MM FAB- RIC
2	M	***MM CS PIPE CULVERTS, ****MM THICK	3,232	EA	100MM TIMBER FENCE POSTS,
		(900MM, 2.01MM)	3,232		2.30M LONG
31	M	450MM CS PIPE CULVERTS, 1.63MM	681	EA	125MM TIMBER FENCE POSTS,
14	M	THICK 600MM CS PIPE CULVERTS, 1.63MM	2.850		2.50M LONG
14	IVI	THICK	2,850	M	CHAIN LINK FENCE, 1200MM FABRIC
2	M	800MM CS PIPE CULVERTS, 2.01MM	775	EA	METAL LINE POSTS FOR 1200MM
		THICK			CHAIN LINK FENCE
45.6	M	****MM BIT COAT CS PIPE CUL- VERTS, TYPE A ****MM THICK	127	EA	METAL TERMINAL POSTS FOR
		(400MM, 1.63MM)	110	MTN	1200MM CHAIN LINK FENCE PLAIN RIP RAP, CLASS I
10	EA	***MM BIT COAT CS PIPE ELBOWS,	160		PLAIN RIP RAP, CLASS B
		TYPE A ****MM THICK (400MM, 1.63MM)	2,650	M2	FILTER FABRIC FOR DRAINAGE
504.6	M	PIPE REMOVAL	3	EA	PREFORMED SCOUR HOLES WITH
5	EA	PIPE CLEAN-OUT	1.146		LEVEL SPREADER APRON
Lump Sum	LS	FINE GRADING	1,146	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
3,300	KG	SEALING EXISTING PAVEMENT	8	EA	SIGN ERECTION, TYPE D
10.000	MTM	CRACKS	200	EA	SIGN ERECTION, TYPE E
65,000	MTN MTN	STABILIZER AGGREGATE AGGREGATE BASE COURSE	8	EA	SIGN ERECTION, TYPE F
	MTN	INCIDENTAL STONE BASE	3	EA	RELOCATE SIGN, TYPE *****
30,000	M2	MILLING ASPHALT PAVEMENT, **MM	22	M2	(E) WORK ZONE SIGNS (STATIONARY)
		DEPTH	9	M2	WORK ZONE SIGNS (BORTABLE)
1,600	MTN	(55MM)	11	M2	WORK ZONE SIGNS (BARRICADE
1,000	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B			MOUNTED)
11,700	MTN	ASPHALT CONC BASE COURSE, TYPE	288	EA	DRUMS
·=	) (m: -	B25.0C	25 240	EA M	CONES  BARRICADES (TYPE III)
47,600	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C	240	MD	BARRICADES (TYPE III) FLAGGER
1,500	MTN	ASPHALT CONC SURFACE COURSE,	6	EA	TEMPORARY CRASH CUSHIONS
-,		TYPE S9.5B			

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			0.13	П
			50	M
5 384	EA M	RESET TEMPORARY CRASH CUSHIONS PORTABLE CONCRETE BARRIER	6	Н
257	M	RESET PORTABLE CONCRETE BAR-	20 115	E/
40	EA	RIER TUBULAR MARKERS (FIXED)	5	H
584	EA	TEMPORARY RAISED PAVEMENT	0.1	H
20.700	M	MARKERS THERMOPLASTIC PAVEMENT MARKING	20,000	М
39,700	IVI	LINES (100MM, 2.3MM)		
8,680	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)		
261	M	THERMOPLASTIC PAVEMENT MARKING		
112	M	LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING		
112	IVI	LINES (600MM, 3.1MM)	Lump Sum	LS
143	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)		
86,923	M	PAINT PAVEMENT MARKING LINES	Lump Sum	LS
1,272	M	(100MM) PAINT PAVEMENT MARKING LINES		
1,2/2	141	(200MM)	Lump Sum	LS
238	M	PAINT PAVEMENT MARKING LINES (600MM)	Lump Sum	LS
104	EA	PAINT PAVEMENT MARKING SYMBOL	212	МТ
1,189	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS		.,,,,
72	MTN	FOUNDATION CONDITIONING MATE-	239.9 19.253	M: K(
		RIAL, UTILITIES CLASS ******* (VI)	19,233	K
72	MTN	BEDDING MATERIAL, UTILITIES		
		CLASS **************(IV)		
114.8	M	150MM DI WATER PIPE, PC		
380	M	2.41MPA 200MM DI WATER PIPE, PC	Lump Sum	LS
		2.41MPA		
212.4	M	****MM PE WATER PIPE, SDR ******* ****MPA WP		
		(20MM, SDR 9, 1.38 MPA WP)	Lump Sum	LS
6	M	****MM PE WATER PIPE, SDR ******,*****MPA WP		
107	M	(25MM, SDR 9, 1.38 MPA WP)	Lump Sum	LS
187	M	200MM PVC WATER PIPE, SDR 21, 1.38MPA WP		
4,192.3	KG	DUCTILE IRON WATER PIPE FIT- TINGS, 1.72MPA MIN WP	Lump Sum	LS
9	EA	20MM CORPORATION STOP		
2	EA	25MM CORPORATION STOP	81.2 Lump Sum	M: LS
3	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	Zump Jum	
5	EA	200MM GATE VALVE & VALVE BOX,	Lump Sum	LS
		****MPA WP (1.38 MPA WP)	1	
9	EA	*** X ***MM TAPPING SADDLE (200MM X 20MM)	9,436	K
2	EA	*** X ***MM TAPPING SADDLE	842	M
6	EA	(200MM X 25MM) RELOCATE EXISTING WATER METER	Lump Sum	LS
6 2	EA EA	RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT		
156	M	GENERIC UTILITY ITEM	Lump Sum	LS
		250MM HDPE WATER PIPE, SDR 9 1.38 MPA WP BY DIRECTIONAL BOR	160	
2 575	M	E TEMPORARY SILT FENCE	168 480	M MT
3,575 185	M MTN	STONE FOR EROSION CONTROL,	400	
5 125	MTN	CLASS A	492 Lump Sum	M: LS
5,125	MTN	STONE FOR EROSION CONTROL, CLASS B	1,172.64	M
1,700	MTN	SEDIMENT CONTROL STONE		
41 1,825	HA KG	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING		
14.5	MTN	FERTILIZER FOR TEMPORARY SEED-		
55	M	ING TEMPORARY SLOPE DRAINS		
8	EA	INLET PROTECTION AT TEMPORARY		
9,165	М3	SLOPE DRAINS SILT EXCAVATION		
21,000	M2	MATTING FOR EROSION CONTROL		
385	M	6.4MM HARDWARE CLOTH		
55	M	***MM TEMPORARY PIPE (400MM)		
30	M	***MM TEMPORARY PIPE		
121	М3	(450MM) STILLING BASINS		
43	HA	SEEDING & MULCHING		
23	HA	MOWING		
500 1.75	KG MTN	SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING		
1,225	KG	SEED FOR SUPPLEMENTAL SEEDING		
72.25	MTN	FERTILIZER TOPDRESSING		

0.15 HA SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE)
50 M IMPERVIOUS DIKE
6 HR SPECIALIZED HAND MOWING
20 EA RESPONSE FOR EROSION CONTROL
115 M3 CULVERT DIVERSION CHANNEL
5 HA REFORESTATION
0.1 HA STREAMBANK REFORESTATION
20,000 M GENERIC EROSION CONTROL ITEM SAFETY FENCE

#### **CULVERT ITEMS**

p Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
p Sum	LS	(112+07.700 -L- MED) REMOVAL OF EXISTING STRUCTURE AT STATION ************** (161+33.500 -L- MED)
p Sum	LS	CULVERT EXCAVATION, STA ****** (112+07.700 -L- MED)
p Sum	LS	CULVERT EXCAVATION, STA ****** (161+33.500 -L- MED)
212	MTN	FOUNDATION CONDITIONING MATER IAL, BOX CULVERT
239.9	M3	CLASS A CONCRETE (CULVERT)
9,253	KG	REINFORCING STEEL (CULVERT)
	2.2	p Sum LS p Sum LS p Sum LS 212 MTN 239.9 M3

#### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
		(182+87.400 -L- MED LT LANE)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
		(182+87.400 -L- MED LT LANE)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
		(182+87.400 -L- MED LT LANE)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
		(182+87.400 -L- MED RT LANE)
81.2	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(182+87.400 -L- MED LT LANE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(182+87.400 -L- MED RT LANE)
9,436	KG	REINFORCING STEEL (BRIDGE)
842	M	HP310X79 STEEL PILES
Lump Sum	LS	GALVANIZING STEEL PILES AT STA ************
		(182+87.400 -L- MED LT LANE)
Lump Sum	LS	GALVANIZING STEEL PILES AT STA
		(182+87.400 -L- MED RT LANE)
168	M	CONCRETE BARRIER RAIL
480	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
492	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,172.64	M	914MM X 533MM PRESTRESSED CONC CORED SLABS

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L041019 004

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200865 33325.3.1 DIV OFFICE GREENSBORO LENGTH = 0.175 MI

COUNTY : ORANGE

GRADING, DRAINAGE, PAVING & STRUCTURE.

1.5 HR SPECIALIZED HAND MOWING 8 EA RESPONSE FOR EROSION CONTROL

#### DBE GOAL 9.0% COMPLETION DATE: SEE SPECIAL PROVISIONS

#### BRIDGE OVER CANE CREEK & APPROACHES ON SR-1958.

		ROADWAY ITEMS			STRUCTURE ITEMS
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	REINFORCED BRIDGE APPROACH			
Lump Sum	LS	FILL, STATION **********			
		(17+75.00 -L-)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
Lump Sum	LS	GRADING			AT STATION ************************************
1	ACR		10.55		(17+75.00 -L-)
		BING	12.75	LF	**'-**" DIA DRILLED PIERS IN SOIL
100	CY	UNDERCUT EXCAVATION			(3'-0")
25	CY	DRAINAGE DITCH EXCAVATION	23	LF	**'-**" DIA DRILLED PIERS IN
50	CY	SELECT GRANULAR MATERIAL	23	LI	SOIL
50	SY	FABRIC FOR SOIL STABILIZATION			(3'-6")
17	TON	FOUNDATION CONDITIONING MATE-	30	LF	**'-**" DIA DRILLED PIERS NOT
		RIAL, MINOR STRS			IN SOIL
56	LF	18" SIDE DRAIN PIPE			(3'-0")
20	LF	15" RC PIPE CULVERTS, CLASS	40	LF	**'-**" DIA DRILLED PIERS NOT
		III			IN SOIL (3'-6")
88	LF	18" RC PIPE CULVERTS, CLASS	2	EA	CROSSHOLE SONIC LOGGING
		III	493	LF	CSL TUBES
145	TON	AGGREGATE BASE COURSE			
200	TON	INCIDENTAL STONE BASE	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
300	TON	ASPHALT CONC BASE COURSE, TYPE			(17+75.00-L-)
220	mo	B25.0B	4,924.8	SF	REINFORCED CONCRETE DECK SLAB
330	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	5,075.7	SF	GROOVING BRIDGE FLOORS
25	TON		101.9	CY	CLASS A CONCRETE (BRIDGE)
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
10	EA	RIGHT OF WAY MARKERS	Lump Sum	LU	*******
2	EA	MASONRY DRAINAGE STRUCTURES			(17+75.00 -L-)
			24,787	LB	REINFORCING STEEL (BRIDGE)
1	EA	FRAME WITH TWO GRATES, STD 840.24	3,159	LB	SPIRAL COLUMN REINFORCING
1	EA	FRAME WITH TWO GRATES, STD			STEEL (BRIDGE)
	1.71	840.29	616.33	LF	45" PRESTRESSED CONCRETE GIR-
875	LF	STEEL BM GUARDRAIL			DERS
100	LF	STEEL BM GUARDRAIL, SHOP	90	LF	HP12X53 STEEL PILES
		CURVED	315.19	LF	CONCRETE BARRIER RAIL
5	EA	ADDITIONAL GUARDRAIL POSTS	485	TON	PLAIN RIP RAP CLASS II (2'-0"
2	EA	GUARDRAIL ANCHOR UNITS, TYPE			THICK)
		AT-1	539	SY	FILTER FABRIC FOR DRAINAGE
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	Lump Sum	LS	ELASTOMERIC BEARINGS
_		III	Lump Sum	LS	EVAZOTE JOINT SEALS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE			
	TON	350			
1	TON	PLAIN RIP RAP, CLASS I			
421	SY	FILTER FABRIC FOR DRAINAGE			
386	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
120	LE				
	LF	BARRICADES (TYPE III)			
7,600	LF	PAINT PAVEMENT MARKING LINES (4")			
480	LF	TEMPORARY SILT FENCE			
75	TON	STONE FOR EROSION CONTROL,			
73	101	CLASS A			
140	TON	STONE FOR EROSION CONTROL,			
		CLASS B			
185	TON	SEDIMENT CONTROL STONE			
1	ACR	TEMPORARY MULCHING			
50	LB	SEED FOR TEMPORARY SEEDING			
0.25	TON	FERTILIZER FOR TEMPORARY SEED-			
		ING			
360	CY	SILT EXCAVATION			
830	SY	MATTING FOR EROSION CONTROL			
40	LF	1/4" HARDWARE CLOTH			
6	EA	SPECIAL STILLING BASINS			
1	ACR	SEEDING & MULCHING			
0.5	ACR	MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
50	LB	SEED FOR SUPPLEMENTAL SEEDING			
0.75	TON	FERTILIZER TOPDRESSING			
1.5	HR	SPECIALIZED HAND MOWING			

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L041019 005

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201004 33236.3.1 DIV OFFICE GREENSBORO LENGTH = 0.222 MI

COUNTY : ROCKINGHAM

GRADING, DRAINAGE, PAVING & STRUCTURE.

#### DBE GOAL 10.0% COMPLETION DATE: SEE SPECIAL PROVISIONS

#### BRIDGE OVER JONES CREEK AND APPROACHES ON SR-2579.

RO	AD	WA	$\mathbf{V}$	TEN	AIS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
200	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
11,500	CY	BORROW EXCAVATION
14	CY	DRAINAGE DITCH EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
100	SY	FABRIC FOR SOIL STABILIZATION
22	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
24	LF	15" SIDE DRAIN PIPE
12	LF	15" RC PIPE CULVERTS, CLASS III
52	LF	**" BIT COAT CS PIPE CULVERTS, TYPE B *****" THICK, (3" X 1"
		CORRUGATIONS) (96", 0.109")
60	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
52	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
24	LF	PIPE REMOVAL
160	TON	AGGREGATE BASE COURSE
200	TON	INCIDENTAL STONE BASE
85	GAL	PRIME COAT
510	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
500	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
550	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
82	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
15	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
24	EA	RIGHT OF WAY MARKERS
10.1	CY	REINFORCED ENDWALLS
3	EA	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.29
285	LF	SHOULDER BERM GUTTER
48	SY	6" CONCRETE DRIVEWAY
862.5	LF	STEEL BM GUARDRAIL
106.25	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	EA	GENERIC GUARDRAIL ITEM 25'-0" CLEAR SPAN GUARDRAIL
127	TON	PLAIN RIP RAP, CLASS B

609 SY FILTER FABRIC FOR DRAINAGE 45.25 SF CONTRACTOR FURNISHED, TYPE \*\*\*

 105
 LF
 SUPPORTS, 3-LB STEEL U-CHANNEL

 8
 EA
 SIGN ERECTION, TYPE E

 14
 EA
 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

454 SF WORK ZONE SIGNS (STATIONARY)
 94 SF WORK ZONE SIGNS (BARRICADE MOUNTED)
 2 EA WARNING FLAG SETS

96 LF BARRICADES (TYPE III)

SIGN

50 EA CONES

8	MD	FLAGGER
9,400	LF	PAINT PAVEMENT MARKING LINES (4")
25	EA	PERMANENT RAISED PAVEMENT MARKERS
600	LF	TEMPORARY SILT FENCE
115	TON	STONE FOR EROSION CONTROL, CLASS A
360	TON	STONE FOR EROSION CONTROL, CLASS B
110	TON	SEDIMENT CONTROL STONE
4	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.75	TON	FERTILIZER FOR TEMPORARY SEED-ING
125	LF	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
760	CY	SILT EXCAVATION
1,370	SY	MATTING FOR EROSION CONTROL
60	LF	1/4" HARDWARE CLOTH
4.5	ACR	SEEDING & MULCHING
2.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
3.25	TON	FERTILIZER TOPDRESSING
2.5	HR	SPECIALIZED HAND MOWING

#### STRUCTURE ITEMS

8 EA RESPONSE FOR EROSION CONTROL

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ******** (17+87.50 -L-)
37.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(17+87.50 -L-)
5,775	LB	REINFORCING STEEL (BRIDGE)
500	LF	HP12X53 STEEL PILES
185.5	LF	CONCRETE BARRIER RAIL
330	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
375	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,112.63	LF	GENERIC STRUCTURE ITEM 3'-0" X 3'-3" PRESTRESSED CONCRETE BOX BEAMS

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L041019 006

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201009 34850.3.2 DIV OFFICE GREENSBORO LENGTH = 3.405 KM

**COUNTY** : **GUILFORD** 

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.

#### DBE GOAL 15.0% COMPLETION DATE: JUL 15 2007

#### SR-1113 (KIVETT DR) FROM PENDLETON ST TO US-29/70 & I-85 BUS IN HIGH POINT.

Lump Sum   15			ROADWAY ITEMS	2	EA	GENERIC PIPE ITEM 150MM PVC PIPE ELBOWS
Lump Sum   1.5   MORBILLATION SURVEYFORD   1.5   SALAINS EXSTREMENT   1.5				2,014.1	M	
Lump Sum   S.   CONSTRUCTION SURVEYING	Lump Sum	LS	MOBILIZATION	•		
Limp Sum   1.5   CLASING & GRUERING — IRC   100 MTN   STABILIZER AGGREGATE AS COURSE   180 MTN   STABILIZER AGGREGATE AS COURSE   190 MTN   STABILIZER AGGREGATE   100 MTN   STABILIZER AGGREGATE AS COURSE   190 MTN   STABILIZER AGGREGATE   190 MTN   STABILIZER AGGREGATE AS COURSE   190 MTN   STABILIZER AGGREGATE   190 MTN   19	Lump Sum	LS	CONSTRUCTION SURVEYING	100	KG	
Supplementary Clearing & Grill.   Supp	Lump Sum	LS	CLEARING & GRUBBING HEC-	100	MTN	
1.00   10   10   10   10   10   10   1						
Lump Sam   15   STATE DENCAYATION   10   10   10   10   10   10   10   1	0.4	HA		· · · · · · · · · · · · · · · · · · ·		
Description   Long	46 000	M2				
FILL STATION						DEPTH
15.00   MIN   NORCHITECTON   15.00   MIN   SAPILAT CONC MISSION   15.00   MIN   CASS IN SURGED STABILIZA-	Europ Sum	LU		4.550		
1,000   MIN   SPINAL CONCESS COURSE, TYPE   1,000   MIN   ASPIHALI CONC BASE				1,650	MIN	
Trong				34 400	MTN	
14-90   M.   DURROW EXCAVATION   4-95   MT   ASPIRALT CONC NYTERMEDIATE   4-95   MT   REMOVAL OF EXISTING ASPIRALT CONC NYTERMEDIATE   4-95   MT   REMOVAL OF EXISTING ASPIRALT   2-90   MT   SUBHIALT CONC NYTERMEDIATE   4-95   MT   REMOVAL OF EXISTING ASPIRALT   1-90   MT   ASPIRALT CONC NYTERMEDIATE   4-95   MT   REMOVAL OF EXISTING ASPIRALT   1-90   MT   ASPIRALT CONC NYTERMEDIATE   4-95   MT   REMOVAL OF EXISTING ASPIRALT   1-90   MT   ASPIRAT UNIVERSITY	16,000	MTN		- 1,111		
4.95	74 000	M3		650	MTN	
A				20 100	MTNI	
PAPEMENT	4,050	M2	REMOVAL OF EXISTING ASPHALT	20,100	IVI I IN	
1,475   M.   BREAKING OF ENSTRING ASPHALT   19.00   MTN   ASPHALT CONC SURFACE COURSE, TYPE SSC.   17.00   MTN   SELECT GRANULAR MATERIAL   19.00   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 42.21   MTN   GRADE FOR 42.21   MTN   GRADE FOR 42.21   MTN   GRADE FOR 42.21   MTN   GRADE FOR 22.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 42.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 42.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR PLANT MIX, GRADE FOR 72.21   MTN   ASPHALT EINDER FOR 72.21				1,100	MTN	
BREAKING OF EXISTING ASPHALT	75	M2				TYPE S9.5B
PAVEMINT   SELECT GRANULAR MATERIAL   1900   MTN   SELECT GRANULAR MATERIAL   1900   MTN   SELECT GRANULAR MATERIAL   1900   1	4 750	М2		19,900	MTN	
15.00 M	1,720	2		2 600	MTN	
Second   S	500	M3	SELECT GRANULAR MATERIAL	2,000	WITT	
Lump Sum   LS   GRADING ITEM   WIBRATION MONTORING   1.50   MIN   FOUNDATION CONDITIONING MATE- RIAL, MINGS STRS   4.6   EA   RIGHT OF WAY MARKERS   74.4   M ****MM SIDE BRAIN PIPE   276   M3   SUBDRAIN EXCAVATION (300MM)   207   M3   SUBDRAIN EXCAVATION (300MM)   207   M3   SUBDRAIN EXCAVATION (300MM)   207   M3   SUBDRAIN PIRE GEORGATE   208   M3   SOMM SIDE DRAIN PIPE   500   M   ISOMM PERFORATED SUBDRAIN PIPE PIPE SUBDRAIN PIPE   500   M   ISOMM PERFORATED SUBDRAIN PIPE PIPE SUBDRAIN PIPE   500   M   ISOMM PERFORATED SUBDRAIN PIPE PIPE   150   M   ISOMM PERFORATED SUBDRAIN PIPE PIPE	13,500	M2	FABRIC FOR SOIL STABILIZATION	1,250	MTN	ASPHALT BINDER FOR PLANT MIX,
1.550   MISCELLANEOUS (WITHOUT DOWELS) (150km)   MISCELLANEOUS (WITHOUT DOWE						
1,550 MTN	Lump Sum	LS		400	M2	
Table	1.550	MTN				
28.8   W   375MM SIDE DRAIN PIPE   50   M   375MM SIDE DRAIN PIPE   50   M   375MM SIDE DRAIN PIPE   50   EA   150MM SIDE PRAIN PIPE   50	1,550	11111		46	EA	
28.8 M	74.4	M	****MM SIDE DRAIN PIPE	276	M3	SUBDRAIN EXCAVATION
14.4 M			` '	207	M3	SUBDRAIN FINE AGGREGATE
910.8 M 300MM RC PIPE CULVERTS, CLASS III  1,552.8 M 375MM RC PIPE CULVERTS, CLASS III  980.4 M 450MM RC PIPE CULVERTS, CLASS III  980.4 M 450MM RC PIPE CULVERTS, CLASS III  752.4 M 600MM RC PIPE CULVERTS, CLASS III  101  552. M 750MM RC PIPE CULVERTS, CLASS III  103 M 750MM RC PIPE CULVERTS, CLASS III  104 M 750MM RC PIPE CULVERTS, CLASS III  106 E A MASONRY DRAINAGE STRUCTURES  107 M 107 M MASONRY DRAINAGE STRUCTURES  108 M MASONRY DRAINAGE STRUCTURES  109 E A FRAME WITH GRATE, STD 840 *****  (101 E A FRAME WITH GRATE, STD 840 *****  (102 E A FRAME WITH GRATE, STD 840 *****  (103 M 10 E A FRAME WITH GRATE & HOOD, STD 840.03, TYPE ***  (104 M 105 M 10				500	M	150MM PERFORATED SUBDRAIN PIPE
1,552.8   M   375MM RC PIPE CULVERTS, CLASS   1				50	EA	
1,552.8 M	910.8	IVI		4	EA	
11	1,552.8	M		4	LA	
1			III	8	M	150MM OUTLET PIPE (SUBDRAINS)
752.4 M	980.4	M		13.2	M3	ENDWALLS
1	752.4	М		2.42	M3	PIPE COLLARS
153-2	732.4	111				
1644   M   900MM RC PIPE CULVERTS, CLASS   10   EA   FRAME WITH GRATE, STD 840.**** (840.16)     38.4   M   1050MM RC PIPE CULVERTS, CLASS   10   EA   FRAME WITH TWO GRATES, STD     40.22   EA   FRAME WITH TWO GRATES, STD     40.23   EA   FRAME WITH TWO GRATES, STD     40.24   EA   FRAME WITH GRATE & HOOD, STD     40.24   EA   FRAME WITH GRATE & HOOD, STD     40.25   EA   ***MM PIPE END SECTION   (450MM)   (600MM)   (600MM)     50   EA   FRAME WITH GRATE & HOOD, STD     40.24   EA   FRAME WITH GRATE & HOOD, STD     40.25   EA   ***MM PIPE END SECTION   (600MM)   (600M	55.2	M	750MM RC PIPE CULVERTS, CLASS			
10   10   10   10   10   10   10   10						
18.4 M   1050MM RC PIPE CULVERTS, CLASS   10   EA   FRAME WITH TWO GRATES, STD	164.4	M		21	LA	
1	38.4	M		10	EA	FRAME WITH TWO GRATES, STD
III			III	2	E.4	
2	27.6	M		3	EA	
450MM    \$40.03, TYPE ** (E)	2	FΔ		24	EA	FRAME WITH GRATE & HOOD, STD
1	2	Lit				
8.4 M	1	EA	***MM PIPE END SECTION	66	EA	
S.4   M				00	EA	
150MM, 1.63MM    53	8.4	M	· · · · · · · · · · · · · · · · · · ·			
Company				53	EA	
HICK	2	EA				
24 M   400MM BIT COAT CS PIPE CULVERTS, TYPE B I.63MM THICK   16.4 M   600MM BIT COAT CS PIPE CULVERTS, TYPE B I.63MM THICK   14.4 M   GENERIC DRAINAGE ITEM 100MM POLYMER DRAIN LINE WITH VERTS, TYPE B I.63MM THICK   100MM POLYMER DRAIN LINE WITH WIDE SLOT GRATE   100MM, 1.63MM   110K   110MM POLYMER DRAIN LINE WITH WIDE SLOT GRATE   100MM, 1.63MM   110K   110MM POLYMER DRAIN LINE WITH WIDE SLOT GRATE   100MM, 1.63MM   100MM, 1.63MM   100MM CONCRETE CURB & GUTTER   100MM POLYMER DRAIN LINE WITH WIDE SLOT GRATE   100MM CONCRETE CURB & GUTTER   100MM CONCRETE SIDEWALK   100MM CONCRETE SIDEWALK   100MM CONCRETE DRIVEWAY				7	EA	* *
VERTS, TYPE B 1.63MM THICK	24	M		16.4	M	
20.4   W						
Section   Sect	26.4	M		14.4	M	
TYPE B 1.63MM THICK (400MM, 1.63MM))  1 EA 600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK (150MM, 1.63MM))  5,800 M 750MM CONCRETE CURB & GUTTER  76.8 M ****MM WELDED STEEL PIPE, LED BY BORING & JACKING (1050MM, 2.77MM)  145.2 M ****MM WELDED STEEL PIPE, LED BY BORING & JACKING (1050MM, 2.77MM)  145.2 M ****MM WELDED STEEL PIPE, LED BY BORING & JACKING (1050MM, 2.77MM)  145.2 M ****MM WELDED STEEL PIPE, LED BY BORING & JACKING (1050MM, 2.77MM)  145.2 M ****MM WELDED STEEL PIPE, LED BY BORING & JACKING (1050MM, 2.77MM)  145.2 M ****MM WELDED STEEL PIPE, LED BY BORING & JACKING (900MM, 2.77MM)  150MB PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED  117 BARRIER, SINGLE FACED  118.2 M GENERIC PIPE ITEM  150MM PVC PIPE  153.3 M STEEL BM GUARDRAIL STEEL BM GUARDRAIL STEEL BM GUARDRAIL		г.				
1   EA   600MM BIT COAT CS PIPE ELBOWS, TYPE B I.63MM THICK (150MM, 1.63MM)   65,500   M   750MM CONCRETE CURB & GUTTER TYPE B I.63MM THICK (150MM, 1.63MM)   65,000   M   750MM CONCRETE SIDEWALK (150MM, 1.63MM)   65,000   M   150MM CONCRETE SIDEWALK (150MM, 1.63MM)   65,000   M   150MM CONCRETE BIPE SIDEWALK (150MM, 1.63MM)   150MM CONCRETE BIPE SIDEWALK (150MM, 1.63MM)   150MM CONCRETE DRIVEWAY   150MM	2	EA		250	M3	CONCRETE RETAINING WALLS
TYPE B 1.63MM THICK (150MM, 1.63MM)				30	M	450MM CONCRETE CURB & GUTTER
150MM, 1.63MM    163MM    163MM    1650 M2   150MCRETE WHEELCHAIR RAMPS	1	EA				
76.8 M   ****MM WELDED STEEL PIPE,   1,400 M2   150MM CONCRETE DRIVEWAY						
****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (1050MM, 2.77MM)  145.2 M  ****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  13.2 M  GENERIC PIPE ITEM 150MM PVC PIPE  ****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  *****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  *****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  ******MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  *****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  ******MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING (900MM, 2.77MM)  *********************************	76.8	M				
LED BY BORING & JACKING	70.0					
145.2 M ****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING 2 EA IMPACT ATTENUATOR UNIT, TYPE 900MM, 2.77MM) 550 13.2 M GENERIC PIPE ITEM 899.16 M STEEL BM GUARDRAIL 150MM PVC PIPE 53.34 M STEEL BM GUARDRAIL, SHOP				173	IVIZ	
****MM THICK, GRADE B, INSTAL- LED BY BORING & JACKING 2 EA IMPACT ATTENUATOR UNIT, TYPE (900MM, 2.77MM) 350 13.2 M GENERIC PIPE ITEM 899.16 M STEEL BM GUARDRAIL 150MM PVC PIPE 53.3 M STEEL BM GUARDRAIL, SHOP	1/15.2	М		70	M	PRECAST REINFORCED CONCRETE
LED BY BORING & JACKING (900MM, 2.77MM)   2 EA   IMPACT ATTENUATOR UNIT, TYPE   350   35	143.2	171				
13.2 M GENERIC PIPE ITEM 899.16 M STEEL BM GUARDRAIL 150MM PVC PIPE 53.34 M STEEL BM GUARDRAIL, SHOP			LED BY BORING & JACKING	2	EA	
15.2 M STEEL BM GUARDRAIL, SHOP  15.3.4 M STEEL BM GUARDRAIL, SHOP	12.2	3.4		899 16	М	
	13.2	IVI				

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			0.4		THED MODI ACTIC DAVIMENT MADIVING
			94	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)
2	EA	STEEL BM GUARDRAIL TERMINAL	666	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
2	EA	SECTIONS	32	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
5 2	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE	153	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
5	EA	AT-1 GUARDRAIL ANCHOR UNITS, TYPE	443	M	COLD APPLIED PLASTIC PAVEMENT
3	EA	CAT-1 GUARDRAIL ANCHOR UNITS, TYPE	100	M	MARKING LINES (100MM) COLD APPLIED PLASTIC PAVEMENT
		III	4	EA	MARKING LINES (200MM) COLD APPLIED PLASTIC PAVEMENT
8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	5	EA	MARKING CHARACTER COLD APPLIED PLASTIC PAVEMENT
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	32,183	M	MARKING SYMBOL PAINT PAVEMENT MARKING LINES
2,300	M	CHAIN LINK FENCE, 1200MM FABRIC			(100MM)
640	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE	2,234	M	PAINT PAVEMENT MARKING LINES (200MM)
80	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE	592	M	PAINT PAVEMENT MARKING LINES (600MM)
200	M	ADDITIONAL BARBED WIRE	8	EA	PAINT PAVEMENT MARKING CHARACTER
210 800		PLAIN RIP RAP, CLASS I PLAIN RIP RAP, CLASS B	50	EA	PAINT PAVEMENT MARKING SYMBOL
61	MTN	BOULDERS	7,989	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
680	M2	FILTER FABRIC FOR DRAINAGE	90	M	REMOVAL OF PAVEMENT MARKING
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	200	M	LINES (200MM) REMOVAL OF PAVEMENT MARKING
3	М3	REINFORCED CONCRETE SIGN FOOT- INGS	1,637	EA	LINES (600MM) PERMANENT RAISED PAVEMENT
1 427	M3	PLAIN CONCRETE SIGN FOOTINGS SUPPORTS, BREAKAWAY STEEL BEAM	64	EA	MARKERS FLEXIBLE DELINEATORS (CRYSTAL)
1,437 400	KG KG	SUPPORTS, SIMPLE STEEL BEAM	44	EA	FLEXIBLE DELINEATORS (YELLOW)
721	M	SUPPORTS, 4.5KG STEEL	10	EA	FLEXIBLE DELINEATORS (CRYSTAL
2	EA	U-CHANNEL SIGN ERECTION, TYPE D	10	EA	& RED) FLEXIBLE DELINEATORS (YELLOW &
113	EA	SIGN ERECTION, TYPE E			RED)
10	EA	SIGN ERECTION, TYPE F	1,020	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS *******
4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	50	MTN	(VI)
3	EA	(A) SIGN ERECTION, TYPE ***	30	MTN	SELECT BACKFILL MATERIAL, UTILITIES CLASS ****
		(GROUND MOUNTED) (B)	1,500	MTN	(II) PAVEMENT REPAIR FOR UTILITY
12	EA	RELOCATE SIGN, TYPE *****	7	M	WORK 100MM DI WATER PIPE, PC
5	EA	(D) RELOCATE SIGN, TYPE *****	63		2.41MPA
125	EA	(E) DISPOSAL OF SIGN SYSTEM, U-		M	150MM DI WATER PIPE, PC 2.41MPA
3	EA	CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD	2	M	200MM DI WATER PIPE, PC 2.41MPA
16	EA	DISPOSAL OF SUPPORT, U-CHANNEL	2	M	300MM DI WATER PIPE, PC 2.41MPA
4	EA	TEMPORARY RELOCATE SIGN, TYPE ***** CROUND TO CROUND	1,214	M	400MM DI WATER PIPE, PC ***MPA 2.41
2	EA	GROUND TO GROUND GENERIC SIGNING ITEM	11,069	KG	DI RESTRAINED JOINT WATER PIPE FITTINGS, 1.72MPA MIN WP
		DISPOSAL OF SIGN SYSTEM ON SPAN WIRE	4	M	***MM COPPER WATER PIPE, TYPE
100	M2	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)			50MM
59 6	M2 M2	WORK ZONE SIGNS (PORTABLE) WORK ZONE SIGNS (BARRICADE	746	M	20MM COPPER WATER PIPE, TYPE K
_		MOUNTED)	162 726	M KG	25MM COPPER WATER PIPE, TYPE K DUCTILE IRON WATER PIPE FIT-
2	EA EA	FLASHING ARROW PANELS, TYPE C CHANGEABLE MESSAGE SIGNS			TINGS, 1.72MPA MIN WP
2	EA	WARNING FLAG SETS	55	EA EA	20MM CORPORATION STOP 25MM CORPORATION STOP
400	EA	DRUMS	7	EA	***MM GATE VALVE & VALVE BOX,
300 116	EA M	CONES BARRICADES (TYPE III)			****MPA WP (400MM,1.38MPA)
3,264	HR	FLAGGER	23	EA	150MM GATE VALVE & VALVE BOX,
2 8	EA EA	WARNING LIGHTS (TYPE B) TEMPORARY CRASH CUSHIONS	5	EA	1.38MPA WP 200MM GATE VALVE & VALVE BOX,
1	EA	RESET TEMPORARY CRASH CUSHIONS			****MPA WP (1.38MPA)
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)	5	EA	300MM GATE VALVE & VALVE BOX,
1,720	M	PORTABLE CONCRETE BARRIER			****MPA WP (1.38MPA)
101	M	PORTABLE CONCRETE BARRIER (ANCHORED)	2	EA	*** X ***MM TAPPING SLEEVE,
580	M	PORTABLE CONCRETE BARRIER			VALVE & VALVE BOX, ****MPA WP (400MM X 150MM,1.38 MPA)
2,320	M	(DRAINAGE) RESET PORTABLE CONCRETE BAR-	4	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP
200	M	RIER WATER FILLED BARRIER	1	EA	(400MM X 400MM,1.38 MPA) ***MM AIR RELEASE VALVE & MAN-
200	HR	POLICE	1	LA	HOLE
760	EA	TEMPORARY RAISED PAVEMENT MARKERS	1	EA	150MM ***MM TRANSITION COUPLING,
9,797	M	THERMOPLASTIC PAVEMENT MARKING			**************************************
13,424	M	LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING	8	EA	150MM TRANSITION COUPLING,
	3.4	LINES (100MM, 3.1MM)			**************************************
108	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)	2	EA	200MM TRANSITION COUPLING,
1,133	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)			DI TO CI

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			800	M	GENERIC EROSION CONTROL ITEM SAFETY FENCE
			8	EA	PEDESTRIAN SIGNAL HEAD (300MM, 1 SECTION)
4	EA	300MM TRANSITION COUPLING, ************************************	2,345 4	M EA	SIGNAL CABLE VEHICLE SIGNAL HEAD (300MM, 1
30	EA	DI TO CI RELOCATE EXISTING WATER METER	49	EA	SECTION) VEHICLE SIGNAL HEAD (300MM, 3
13	EA	FIRE HYDRANT, ****MPA WP (1.38MPA WP)	10		SECTION)
7 1,200	EA M	RELOCATE EXISTING FIRE HYDRANT ***MM PVC SEWER PIPE, SDR **		EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
1,200		(100MM, SDR 35)	3,400 285	M	MESSENGER CABLE (6.35MM)
15	M	200MM DI SEWER PIPE, PC 2.41MPA	275	M M	MESSENGER CABLE (9.52MM) TRACER WIRE
95	EA	SANITARY SEWER CLEAN-OUT	1,355	M	TRENCHING (UNPAVED)
1	EA	****MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	480	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, *****MM (** CONDUIT) (50MM, 2)
1	M	1200MM PRECAST CONC MANHOLE WALL, ****MM DIA, OVER 1.8M HT	480	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT)
		1200MM	55	EA	(1)
1,543	M	FILL OR REMOVE ABANDONED 300MM PIPE, *********	55 8	EA EA	JUNCTION BOX (STANDARD SIZE) JUNCTION BOX (OVER-SIZED)
		CI WATER	15	EA	WOOD POLE
75	M	FILL OR REMOVE ABANDONED 400MM PIPE, ********	32	EA	GUY ASSEMBLY
		CI WATER	2 8	EA EA	25MM RISER WITH WEATHERHEAD 50MM RISER WITH WEATHERHEAD
1	EA	REMOVE EXISTING MANHOLE	7	EA	50MM RISER WITH WEATHERHEAD 50MM RISER WITH HEAT SHRINK
50	EA	GENERIC UTILITY ITEM 150MM RESTRAINED RETAINER			TUBING
		GLANDS	3,560 2,500	M M	INDUCTIVE LOOP SAWCUT LEAD-IN CABLE
50	EA	GENERIC UTILITY ITEM 200MM RESTRAINED RETAINER	2,300	EA	MICROWAVE VEHICLE DETECTOR
		GLANDS	1,500	M	COMMUNICATIONS CABLE (**FIBER)
67	EA	GENERIC UTILITY ITEM 20MM WATER METER AND METER BOX	2,500	M	(24) COMMUNICATIONS CABLE (**FIBER)
50	EA	GENERIC UTILITY ITEM	250		(48)
		300MM RESTAINED RETAINER GLANDS	250 4	M EA	DROP CABLE AERIAL SPLICE ENCLOSURE
50	EA	GENERIC UTILITY ITEM	8	EA	INTERCONNECT CENTER
		400MM RESTRAINED RETAINER GLANDS	8	EA	DELINEATOR MARKER
1	EA	GENERIC UTILITY ITEM	1	EA	FURNISH FIBER-OPTIC TRANSCEIV- ER
		RELOCATE 100MM WATER METER VAULT	2	EA	FIBER-OPTIC SPLICE CABINET
1	EA	GENERIC UTILITY ITEM RELOCATE 200MM BACKFLOW	2,200	M	(BASE MOUNTED) REMOVE EXISTING COMMUNICATIONS
		PREVENTER VAULT	15	EA	CABLE SIGNAL SUPPORT MAST ARM WITH
5	M	GENERIC UTILITY ITEM 100MM DI RESTRAINED JOINT	3	EA	METAL POLE DOUBLE MAST ARM WITH METAL
299	M	WATER PIPE, PC 2.41 MPA GENERIC UTILITY ITEM	,	LA	POLE
		150MM DI RESTRAINED JOINT WATER PIPE, PC 2.41 MPA	18 90	EA	SOIL TEST
75	M	GENERIC UTILITY ITEM	90	M	DRILLED PIER FOUNDATION (***MM DIA)
		200MM DI RESTRAINED JOINT WATER PIPE, PC 2.41 MPA	18	EA	(1070MM) MAST ARM WITH METAL POLE DE-
140	M	GENERIC UTILITY ITEM	1	EA	SIGN SIGN FOR SIGNALS
		300MM DI RESTRAINED JOINT WATER PIPE, PC 2.41 MPA	8	EA	SIGNAL CABINET FOUNDATION
444	M	GENERIC UTILITY ITEM	6	EA	CONTROLLER WITH CABINET (NEMA
		400MM DI RESTRAINED JOINT WATER PIPE, PC 2.41 MPA			TS-2, TYPE 2 CONTROLLER, TYPE 1 CABINET, BASE MOUNTED)
1,020	MTN	GENERIC UTILITY ITEM	51	EA	DETECTOR CARD (NEMA TS-2)
4,200	M	#67 BEDDING STONE TEMPORARY SILT FENCE	6	EA	GENERIC SIGNAL ITEM FIBER OPTIC TRANSCEIVER
460		STONE FOR EROSION CONTROL,			TIBER OF THE TRANSCEIVER
5,900	MTN	CLASS A STONE FOR EROSION CONTROL,			
3,700	WITT	CLASS B			STRUCTURE ITEMS
3,130	MTN	SEDIMENT CONTROL STONE			
8 400	HA KG	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING	Lumn Sum	1.0	DEMOVAL OF EVICTING STRUCTURE
3.25	MTN	FERTILIZER FOR TEMPORARY SEED-	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION *********
200		ING	(( (	M	(40+56.584 -L-)
200 16	M EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY	66.6	IVI	1220MM DIA DRILLED PIERS IN SOIL
		SLOPE DRAINS	14.4	M	1220MM DIA DRILLED PIERS NOT
15,150	M3	SILT EXCAVATION	1	EA	IN SOIL CROSSHOLE SONIC LOGGING
8,200 765	M2 M2	MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT	342	M	CSL TUBES
		MAT	2,319	M2	REINFORCED CONCRETE DECK SLAB
1,350	М	6.4MM HARDWARE CLOTH SEEDING & MULCHING	2,379 227.2	M2 M3	GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE)
9.5 4.5	HA HA	SEEDING & MULCHING MOWING	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
100	KG	SEED FOR REPAIR SEEDING	<u>.</u>		*******
0.5		FERTILIZER FOR REPAIR SEEDING	33,706	KG	(40+56.584 -L-) REINFORCING STEEL (BRIDGE)
275 15.5	KG MTN	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING	4,226	KG	SPIRAL COLUMN REINFORCING
0.15	HA	SPECIALIZED SEEDING UNDER	405.050	1.0	STEEL (BRIDGE)
		GUIDERAIL & GUARDRAIL (HARD	405,050	LS	APPROX KG STRUCTURAL STEEL
7.5	HR	FESCUE/BLUEGRASS) SPECIALIZED HAND MOWING	720	M	HP310X79 STEEL PILES
16	EA	RESPONSE FOR EROSION CONTROL	151.26	M	THREE BAR METAL RAIL
0.2	HA	STREAMBANK REFORESTATION	680 Lump Sum	M2 LS	100MM SLOPE PROTECTION POT BEARINGS
			Dump Sum		

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Lump Sum LS ELASTOMERIC BEARINGS Lump Sum LS EVAZOTE JOINT SEALS

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L041019 007

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C201284 37425 DIV OFFICE GREENSBORO LENGTH = 5.290 MI

COUNTY : ALAMANCE

WIDENING, MILLING, RESURFACING, GUARDRAIL & PVMT MARKINGS.

MBE GOAL 10.0% WBE 5.0% COMPLETION DATE: JUN 01 2006

#### US-70 FROM EAST OF NC-49 TO ORANGE COUNTY LINE.

1,760 LF INDUCTIVE LOOP SAWCUT

690 LF LEAD-IN CABLE

		ROADWAY ITEMS
Lump Sum	LS	MOBILIZATION
100	TON	INCIDENTAL STONE BASE
10.49	SMI	SHOULDER RECONSTRUCTION
1,170	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (2-1/2")
1,750	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (3")
566	SY	MILLING ASPHALT PAVEMENT, ***" TO ******" DEPTH (0" TO 1-1/2")
645	SY	MILLING ASPHALT PAVEMENT, ***" TO ******" DEPTH (2" TO 3")
545	SY	MILLING ASPHALT PAVEMENT, ***" TO ******* DEPTH
1,005	SY	(4" TO 6") INCIDENTAL MILLING
5,299	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,830	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
13,990	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
312	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
839	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
81,831	SY	ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE
150 9	LF EA	2'-6" CONCRETE CURB & GUTTER RETROFIT EXISTING WHEELCHAIR RAMPS
3	EA	WHEELCHAIR RAMPS
23	EA	ADJUSTMENT OF MANHOLES
19	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
685	LF	STEEL BM GUARDRAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
685 49,740	LF LF	REMOVE EXISTING GUARDRAIL THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
48,130	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
148	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
622	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
366	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
28	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
97,870	LF	PAINT PAVEMENT MARKING LINES (4")
148	LF	PAINT PAVEMENT MARKING LINES (6")
622	LF	PAINT PAVEMENT MARKING LINES (8")
50	LF	PAINT PAVEMENT MARKING LINES (16")
366	LF	PAINT PAVEMENT MARKING LINES (24")
4	EA	PAINT PAVEMENT MARKING CHARACTER
28 637	EA EA	PAINT PAVEMENT MARKING SYMBOL SNOWPLOWABLE RAISED PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
1.2 8.5	ACR ACR	SEEDING & MULCHING RESIDENTIAL SEEDING
41	LF	TRENCHING (PAVED)
167	LF	TRENCHING (UNPAVED)

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L041019 008

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201007 34527.3.2 DIV OFFICE ABERDEEN LENGTH = 3.620 KM

COUNTY : RICHMOND

GRADING, DRAINAGE & PAVING.

#### DBE GOAL 14.0% COMPLETION DATE: AUG 15 2006

#### NC-73 EXT FROM EXISTING NC-73 & US-220 TO SR-1452 (CHURCH ST) NEAR ELLERBE.

		BOADWAY ITEMS	9.1	М3	REINFORCED ENDWALLS
		ROADWAY ITEMS	0.16	M3	PIPE PLUGS
			21	EA	MASONRY DRAINAGE STRUCTURES
I C	1.0	MODILIZATION	2.21	M	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	MOBILIZATION	1	EA	FRAME WITH GRATE, STD 840.24
Lump Sum	LS	CLEARING & GRUBBING HEC- TARE(S)	20	EA	FRAME WITH TWO GRATES, STD
0.8	HA	SUPPLEMENTARY CLEARING & GRUB-	20	Lit	840.24
0.8	1174	BING	1	EA	FRAME WITH COVER, STD 840.54
105,300	M3	UNCLASSIFIED EXCAVATION	2.2	M3	CONCRETE RETAINING WALLS
3,000	M3	UNDERCUT EXCAVATION	66	M	750MM CONCRETE CURB & GUTTER
360	MTN	CLASS IV SUBGRADE STABILIZA-	4	M2	100MM CONCRETE PAVED DITCH
300	IVIIIV	TION	777.24	M	STEEL BM GUARDRAIL
600	M3	DRAINAGE DITCH EXCAVATION	2	EA	STEEL BM GUARDRAIL TERMINAL
160	M	BERM DITCH CONSTRUCTION	-	Lit	SECTIONS
1,200	M2	REMOVAL OF EXISTING ASPHALT	10	EA	ADDITIONAL GUARDRAIL POSTS
-,		PAVEMENT	16	EA	GUARDRAIL ANCHOR UNITS, TYPE
810	M2	BREAKING OF EXISTING ASPHALT			350
		PAVEMENT	161	M	WOVEN WIRE FENCE, 1200MM FAB-
12	HR	PROOF ROLLING			RIC
1,000	M3	SELECT GRANULAR MATERIAL	27	EA	100MM TIMBER FENCE POSTS,
3,500	M2	FABRIC FOR SOIL STABILIZATION			2.30M LONG
370	MTN	FOUNDATION CONDITIONING MATE-	20	EA	125MM TIMBER FENCE POSTS,
		RIAL, MINOR STRS			2.50M LONG
57.6	M	375MM SIDE DRAIN PIPE	78	M	WOVEN WIRE FENCE RESET
13.2	M	450MM SIDE DRAIN PIPE	45		PLAIN RIP RAP, CLASS I
577.2	M	375MM RC PIPE CULVERTS, CLASS	830	MTN	PLAIN RIP RAP, CLASS B
		III	2,400	M2	FILTER FABRIC FOR DRAINAGE
201.6	M	450MM RC PIPE CULVERTS, CLASS	4	EA	PREFORMED SCOUR HOLES WITH
		III			LEVEL SPREADER APRON
181.2	M	600MM RC PIPE CULVERTS, CLASS	63	M2	WORK ZONE SIGNS (STATIONARY)
		III	9	M2	WORK ZONE SIGNS (PORTABLE)
37.2	M	750MM RC PIPE CULVERTS, CLASS	15	M2	WORK ZONE SIGNS (BARRICADE
20		III	_		MOUNTED)
30	M	900MM RC PIPE CULVERTS, CLASS III	8	EA	WARNING FLAG SETS
30	M	1500MM RC PIPE CULVERTS, CLASS	110	EA	DRUMS
30	IVI	III	30	EA	CONES
38.4	M	1650MM RC PIPE CULVERTS, CLASS	79	M	BARRICADES (TYPE III)
50.1		III	416	HR	FLAGGER
7	EA	***MM PIPE END SECTION	376	EA	TEMPORARY RAISED PAVEMENT
		(375MM)			MARKERS
1	EA	***MM PIPE END SECTION	8,823	M	THERMOPLASTIC PAVEMENT MARKING
		(450MM)	0.610		LINES (100MM, 2.3MM)
1	EA	****MM RC FLARED END SECT	9,610	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
		(600MM)	110	M	THERMOPLASTIC PAVEMENT MARKING
7.2	M	400MM BIT COAT CS PIPE CUL-	110	141	LINES (600MM, 3.1MM)
		VERTS, TYPE B 1.63MM THICK	4	EA	THERMOPLASTIC PAVEMENT MARKING
1	EA	400MM BIT COAT CS PIPE ELBOWS,			CHARACTER (3.1MM)
17.004	M	TYPE B 1.63MM THICK	23	EA	THERMOPLASTIC PAVEMENT MARKING
17.884	M	PIPE REMOVAL			SYMBOL (2.3MM)
Lump Sum	LS	FINE GRADING	73,730	M	PAINT PAVEMENT MARKING LINES
17,825	M2	LIME TREATED SOIL (SLURRY			(100MM)
107	A CTA	METHOD)	440	M	PAINT PAVEMENT MARKING LINES
	MTN	LIME FOR LIME TREATED SOIL			(600MM)
	MTN	AGGREGATE BASE COURSE	16	EA	PAINT PAVEMENT MARKING CHARAC-
17,825	M2	***MM SOIL CEMENT BASE			TER
525	MTN	(180MM) PORTLAND CEMENT FOR SOIL CE-	92	EA	PAINT PAVEMENT MARKING SYMBOL
333	MIIN	MENT BASE	188	EA	SNOWPLOWABLE RAISED PAVEMENT
500	MTN	AGGREGATE FOR SOIL CEMENT BASE			MARKERS
24,243	L	ASPHALT CURING SEAL	3	EA	2.1M U-CHANNEL POSTS
		INCIDENTAL STONE BASE	3	EA	OBJECT MARKERS (END OF ROAD)
			83	MTN	
8,341	MIN	ASPHALT CONC BASE COURSE, TYPE B25.0B			RIAL, UTILITIES CLASS ******* (VI)
9 311	MTN	ASPHALT CONC SURFACE COURSE,	92	MTN	
7,511	IVITIN	TYPE S9.5B	83	MTN	BEDDING MATERIAL, UTILITIES CLASS ********
964	MTN	ASPHALT BINDER FOR PLANT MIX,			(IV)
704	WITIN	GRADE PG 64-22	9.2	M	20MM COPPER WATER PIPE, TYPE K
45	MTN	ASPHALT PLANT MIX PAVEMENT	526.5	M	150MM PVC WATER PIPE, SDR 21,
		REPAIR	320.3	141	1.38MPA WP
497	M3	SUBDRAIN EXCAVATION	601	KG	DUCTILE IRON WATER PIPE FIT-
249	M3	SUBDRAIN FINE AGGREGATE			TINGS, 1.72MPA MIN WP
	M	150MM PERFORATED SUBDRAIN PIPE	35.9	M	20MM PE WATER TUBING, SDR 9,
600	EA	150MM SUBDRAIN PIPE WYES,			****MPA WP
		TEES, & ELBOWS			(1.38MPA)
600 60		TEES, & ELBOWS			
	М	150MM OUTLET PIPE (SUBDRAINS)	169.5	M	***MM PE WATER TUBING, SDR 9,
60			169.5	M	***MM PE WATER TUBING, SDR 9, ****MPA WP
60 8	M	150MM OUTLET PIPE (SUBDRAINS)	169.5	M	***MM PE WATER TUBING, SDR 9,

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36.8	M	***MM PE WATER TUBING, SDR 9, ****MPA WP
		(50MM, 1.38MPA)
1	EA	25MM CORPORATION STOP
1	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (50MM, 1.38MPA)
9	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
1	EA	*** X ***MM TAPPING SADDLE (150MM X 25MM)
1	EA	*** X ***MM TAPPING SADDLE (150MM X 50MM)
3	EA	RELOCATE EXISTING WATER METER
2	EA	BREAK DOWN & REBUILD EXISTING MANHOLE
26	M	GENERIC UTILITY ITEM
		TRENCHLESS INSTALLATION OF 300MM WATER PIPE, IN SOIL
500	M	TEMPORARY SILT FENCE
500	MTN	STONE FOR EROSION CONTROL, CLASS A
3,500	MTN	STONE FOR EROSION CONTROL, CLASS B
1,150	MTN	SEDIMENT CONTROL STONE
15	HA	TEMPORARY MULCHING
600	KG	SEED FOR TEMPORARY SEEDING
5	MTN	FERTILIZER FOR TEMPORARY SEED-ING
225	M	TEMPORARY SLOPE DRAINS
19	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
15,000	M3	SILT EXCAVATION
8,500	M2	MATTING FOR EROSION CONTROL
70	M2	PERMANENT SOIL REINFORCEMENT MAT
150	M	6.4MM HARDWARE CLOTH
14.5	HA	SEEDING & MULCHING
8.5	HA	MOWING
200	KG	SEED FOR REPAIR SEEDING
1	MTN	FERTILIZER FOR REPAIR SEEDING
400	KG	SEED FOR SUPPLEMENTAL SEEDING
25	MTN	FERTILIZER TOPDRESSING
0.15	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE)
7	HR	SPECIALIZED HAND MOWING
16	EA	RESPONSE FOR EROSION CONTROL
500	M	GENERIC EROSION CONTROL ITEM SAFETY FENCE

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L041019 009

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201006 34153.3.2 DIV OFFICE WINSTON-SALEM LENGTH = 0.588 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.

#### DBE GOAL 11.0% COMPLETION DATE: OCT 15 2006

#### I-40 AT SR-1101 (HARPER RD) EAST OF YADKIN RIVER.

		ROADWAY ITEMS	1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE
Lump Sum	LS	MOBILIZATION	3	EA	CAT-1 GUARDRAIL ANCHOR UNITS, TYPE
Lump Sum	LS	CONSTRUCTION SURVEYING			III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
Lump Sum	LS	(20+69.29) GRADING	1,160	LF	REMOVE EXISTING GUARDRAIL
Lump Sum 1	ACR	SUPPLEMENTARY CLEARING & GRUB-	100	LF	TEMPORARY STEEL BM GUARDRAIL
		BING	2	EA	GUARDRAIL ANCHOR UNITS, TYPE ******* TEMPORARY
30 625	CY SF	UNDERCUT EXCAVATION TEMPORARY SHORING	2	Е.	(XI)
352	TON	FOUNDATION CONDITIONING MATE-	2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
2 022		RIAL, MINOR STRS	3,795	LF	WOVEN WIRE FENCE, 47" FABRIC
2,032	LF	15" RC PIPE CULVERTS, CLASS III	227	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
765	LF	18" RC PIPE CULVERTS, CLASS III	84	EA	5" TIMBER FENCE POSTS, 8'-0"
240	LF	24" RC PIPE CULVERTS, CLASS	1,060	LF	LONG CHAIN LINK FENCE, 48" FABRIC
		III	87	EA	METAL LINE POSTS FOR 48" CHAIN
168	LF	30" RC PIPE CULVERTS, CLASS III		г.	LINK FENCE
56	LF	36" RC PIPE CULVERTS, CLASS	4	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
56	LF	III 15" BIT COAT CS PIPE CULVERTS,	10		PLAIN RIP RAP, CLASS I
50		TYPE B 0.064" THICK	68 1,060	TON SY	PLAIN RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	1,000	EA	PREFORMED SCOUR HOLES WITH
1,038	LF	PIPE REMOVAL	_		LEVEL SPREADER APRON
1,691	TON	AGGREGATE BASE COURSE	2	CY	REINFORCED CONCRETE SIGN FOOT- INGS
250	TON	INCIDENTAL MILLING	1	CY	PLAIN CONCRETE SIGN FOOTINGS
250 10,930	SY TON	INCIDENTAL MILLING ASPHALT CONC BASE COURSE, TYPE	1,133	LB	SUPPORTS, BREAKAWAY STEEL BEAM
.,		B25.0B	1,265	LF EA	SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE D
7,288	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	34	EA	SIGN ERECTION, TYPE E
4,931	TON	ASPHALT CONC SURFACE COURSE,	8	EA	SIGN ERECTION, TYPE F
1 110	TON	TYPE S9.5B	3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
1,110	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			(A)
45	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
750	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED	3	EA	(B) SIGN ERECTION, OVERLAY (OVER-
161	TON	ASPHALT PLANT MIX, PAVEMENT			HEAD)
37	EA	REPAIR RIGHT OF WAY MARKERS	2	EA	RELOCATE SIGN, TYPE ***** (D)
0.893	CY	PIPE COLLARS	33	EA	DISPOSAL OF SIGN SYSTEM, U-
1.074	CY	PIPE PLUGS	2	EA	CHANNEL DISPOSAL OF SUPPORT, U-CHANNEL
38	EA	MASONRY DRAINAGE STRUCTURES	477	SF	WORK ZONE SIGNS (STATIONARY)
2.8	LF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH GRATE, STD 840.****	930	SF	WORK ZONE SIGNS (PORTABLE)
		(840.20)	130	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
6	EA	FRAME WITH TWO GRATES, STD 840.16	2	EA	FLASHING ARROW PANELS, TYPE C
10	EA	FRAME WITH TWO GRATES, STD	2	EA	CHANGEABLE MESSAGE SIGNS
2	ЕА	840.22 FRAME WITH GRATE & HOOD, STD	400 100	EA EA	DRUMS CONES
3	EA	840.03, TYPE **	204	LF	BARRICADES (TYPE III)
0	ЕА	(E)	200	MD	FLAGGER
8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	6	EA EA	TEMPORARY CRASH CUSHIONS RESET TEMPORARY CRASH CUSHIONS
	ЕА	(F)	2	EA	TRUCK MOUNTED IMPACT ATTENUA-
6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	1,720	LF	TOR (45 MPH) PORTABLE CONCRETE BARRIER
5.070	LE	(G)	200	HR	POLICE POLICE
5,078 863	LF LF	2'-6" CONCRETE CURB & GUTTER CONCRETE EXPRESSWAY GUTTER	3,885	LF	REMOVABLE TAPE PAVEMENT MARK-
158	SY	6" CONCRETE DRIVEWAY	160	LF	ING LINES (4") REMOVABLE TAPE PAVEMENT MARK-
185	SY	4" CONCRETE PAVED DITCH	100	Li	ING LINES (8")
797	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	4	EA	REMOVABLE TAPE PAVEMENT MARK- ING CHARACTER
5	EA	ADJUSTMENT OF MANHOLES	13	EA	REMOVABLE TAPE PAVEMENT MARK-
12	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	103	E A	ING SYMBOL
2,925	LF	STEEL BM GUARDRAIL	192	EA	TEMPORARY RAISED PAVEMENT MARKERS
50	LF	STEEL BM GUARDRAIL, SHOP CURVED	12,075	LF	THERMOPLASTIC PAVEMENT MARKING
5	EA	ADDITIONAL GUARDRAIL POSTS			LINES (4", 90 MILS)

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			0.2	ACR	GUIDERAIL & FESCUE/BLUE
12,541	LF	THERMOPLASTIC PAVEMENT MARKING	3.5	HR	SPECIALIZED
		LINES (4", 120 MILS)	8 1,640	EA LF	RESPONSE FO SIGNAL CABL
460	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	17	EA	VEHICLE SIGN SECTION)
260	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	1,090	LF	MESSENGER O
20	EA	THERMOPLASTIC PAVEMENT MARKING	1,080	LF	TRENCHING (
55	EA	CHARACTER (120MIL) THERMOPLASTIC PAVEMENT MARKING	7 6	EA EA	JUNCTION BO WOOD POLE
55	Lit	SYMBOL (90 MILS)	8	EA	GUY ASSEMB
2,337	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES (4")	1	EA	1" RISER WITH
160	LF	COLD APPLIED PLASTIC PAVEMENT	4 1,600	EA LF	2" RISER WITH INDUCTIVE LO
		MARKING LINES (8")	2,790	LF	LEAD-IN CABI
4	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER	1	EA	MICROWAVE
11	EA	COLD APPLIED PLASTIC PAVEMENT	4	EA	METAL STRAI
61,660	LF	MARKING SYMBOL PAINT PAVEMENT MARKING LINES	4	EA LF	SOIL TEST DRILLED PIER
01,000	LI	(4")			DIA)
1,060	LF	PAINT PAVEMENT MARKING LINES (8")	6	EA	(42") SIGN FOR SIG
448	LF	PAINT PAVEMENT MARKING LINES	1	EA	SIGNAL CABI
		(12")	1	EA	CABINET BAS
408	LF	PAINT PAVEMENT MARKING LINES (24")	1	EA	CONTROLLER 2070L, BASE M
20	EA	PAINT PAVEMENT MARKING CHARAC-	5	EA	DETECTOR CA
79	EA	TER PAINT PAVEMENT MARKING SYMBOL	2	EA	GENERIC SIGN RELOCATE MI
5,550	LF	REMOVAL OF PAVEMENT MARKING			DETECTOR
		LINES (4")			
62	EA	PERMANENT RAISED PAVEMENT MARKERS			
450	EA	SNOWPLOWABLE RAISED PAVEMENT			WALL ITE
140	TON	MARKERS FOUNDATION CONDITIONING MATE-			
140	1011	RIAL, UTILITIES CLASS *******	8,695	SF	GENERIC RET
140	TON	(VI) BEDDING MATERIAL, UTILITIES CLASS ***********************************			PILE/PANEL R (STA. 1+50.00 -
		(VI)			
1,272	LF	6" DI WATER PIPE, PC 350			CTDUCTU
1,045	LB	DI RESTRAINED JOINT WATER PIPE FITTINGS, 250# MIN WP			STRUCTU
34	LF	3/4" COPPER WATER PIPE, TYPE K			
375	LB	DUCTILE IRON WATER PIPE FIT- TINGS, 250# MIN WP	Lump Sum	LS	REMOVAL OF AT STATION *
1	EA	6" GATE VALVE & VALVE BOX,			(20+71.54-L-)
_		200# WP	1,904	CY	UNCLASSIFIE
2	EA	12" GATE VALVE & VALVE BOX, *****WP	25,122	SF	TION REINFORCED
		(200# WP)	26,253	SF	GROOVING BI
1	EA	**"X**" TAPPING SLEEVE, VALVE & VALVE BOX, *****WP	361	CY	CLASS A CON
		(6" X 6", 200# WP)	Lump Sum	LS	BRIDGE APPR
1	EA	**"X**" TAPPING SLEEVE, VALVE & VALVE BOX. *****WP	52 O. 5		(20+71.54-L-)
		(8" X 6", 200# WP)	53,815 2,327	LB LB	REINFORCING SPIRAL COLU
2 5	EA EA	RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT		LD	STEEL (BRIDG
780	LF	**" STEEL ENCASEMENT PIPE,	1,005,950	LS	APPROX
		*****" THICK, BY BORING &	7,110	LF	HP12X53 STEE
		JACKING (24", 0.250")	273.55	LF	TWO BAR ME
880	LF	GENERIC UTILITY ITEM	273.55 281.91	LF LF	THREE BAR M
150	LF	12" DI RJ WATER PIPE, PC 350 GENERIC UTILITY ITEM	201.91	1-1	PET
		8" DI RJ WATER PIPE, PC 350	1,060	SY	(1'-2" X 2'-6") 4" SLOPE PRO
1,925 450	LF TON	TEMPORARY SILT FENCE STONE FOR EROSION CONTROL,	Lump Sum	LS	POT BEARING
430	TON	CLASS A	Lump Sum	LS	ELASTOMERIC
1,320	TON	STONE FOR EROSION CONTROL,	Lump Sum	LS	EVAZOTE JOI
585	TON	CLASS B SEDIMENT CONTROL STONE			
11.5	ACR				
400	LB	SEED FOR TEMPORARY SEEDING			
1.75	TON	FERTILIZER FOR TEMPORARY SEED- ING			
245 6	LF EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY			
2.405	CX.	SLOPE DRAINS			
3,405 2,565	CY SY	SILT EXCAVATION MATTING FOR EROSION CONTROL			
397	SY	PERMANENT SOIL REINFORCEMENT			
		MAT			
860 13	LF ACR	1/4" HARDWARE CLOTH SEEDING & MULCHING			
7		MOWING			
100	LB	SEED FOR REPAIR SEEDING			
0.25 275	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING			
		SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING			

9.75 TON FERTILIZER TOPDRESSING

0.2 ACR SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS) D HAND MOWING OR EROSION CONTROL BLE GNAL HEAD (12", 3 R CABLE (3/8") (UNPAVED) OX (STANDARD SIZE) BLY TH WEATHERHEAD TH WEATHERHEAD LOOP SAWCUT BLE E VEHICLE DETECTOR AIN SIGNAL POLE ER FOUNDATION (\*\*" GNALS BINET FOUNDATION SE ADAPTER ER WITH CABINET (TYPE MOUNTED)
CARD (TYPE 2070L) GNAL ITEM MICROWAVE VEHICLE

#### EMS

ETAINING WALL ITEM RETAINING WALL 0 -REVC-)

#### URE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
1,904	CY	UNCLASSIFIED STRUCTURE EXCAVATION
25,122	SF	REINFORCED CONCRETE DECK SLAB
26,253	SF	GROOVING BRIDGE FLOORS
361	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************
		(20+71.54-L-)
53,815	LB	REINFORCING STEEL (BRIDGE)
2,327	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,005,950	LS	APPROX LBS STRUCTURAL STEEL
7,110	LF	HP12X53 STEEL PILES
273.55	LF	TWO BAR METAL RAIL
273.55	LF	THREE BAR METAL RAIL
281.91	LF	1'-**"X *****" CONCRETE PARA- PET (1'-2" X 2'-6")
1,060	SY	4" SLOPE PROTECTION
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lamp Julii	LU	LLOIL JOHAL DELLED

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L041019 010

### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201262 33671.3.1 DIV OFFICE WINSTON-SALEM LENGTH = 0.341 MI

**COUNTY** : **DAVIDSON** 

GRADING, DRAINAGE, PAVING & STRUCTURE.

#### DBE GOAL 10.0% COMPLETION DATE: DEC 31 2005

#### BRIDGE OVER SOUTH POTTS CREEK & APPROACHES ON SR-1147.

		ROADWAY ITEMS	1,085	LB	DUCTILE IRON WATER PIPE FIT- TINGS, 250# MIN WP
			3	EA EA	3/4" CORPORATION STOP 6" GATE VALVE & VALVE BOX,
Lump Sum	LS	MOBILIZATION	3	EA	200# WP
Lump Sum	LS	CONSTRUCTION SURVEYING	3	EA	8" GATE VALVE & VALVE BOX,
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************			*****WP (200#)
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	2	EA	12" GATE VALVE & VALVE BOX, *****WP
250	CY	UNDERCUT EXCAVATION	2	EA	(200#) 6" TRANSITION COUPLING,
Lump Sum	LS	GRADING	2	LA	*******
300	TON	CLASS IV SUBGRADE STABILIZA-		E.4	(AC TO DI)
19,700	CY	TION BORROW EXCAVATION	4	EA EA	RELOCATE EXISTING WATER METER
360	CY	DRAINAGE DITCH EXCAVATION	256	LF	RELOCATE EXISTING FIRE HYDRANT FILL OR REMOVE ABANDONED **"
250	CY	SELECT GRANULAR MATERIAL	230	LI	PIPE, ********
500	SY	FABRIC FOR SOIL STABILIZATION			(6", AC WATER)
53	TON	FOUNDATION CONDITIONING MATE-	1,310	LF	FILL OR REMOVE ABANDONED **"
		RIAL, MINOR STRS			PIPE, ************************************
80	LF	15" SIDE DRAIN PIPE	4	EA	GENERIC UTILITY ITEM
172	LF	24" SIDE DRAIN PIPE	7	Lit	12" RESTRAINED RETAINER GLAND
132	LF	15" RC PIPE CULVERTS, CLASS III	4	EA	GENERIC UTILITY ITEM 6" RESTRAINED RETAINER GLAND
108	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	8	EA	GENERIC UTILITY ITEM
4	EA	15" BIT COAT CS PIPE ELBOWS,	100	LE	8" RESTRAINED RETAINER GLAND
122		TYPE B 0.064" THICK	100	LF	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 8"
133	LF EA	PIPE REMOVAL PIPE CLEAN-OUT	400		WATER PIPE IN SOIL
1 55	TON	AGGREGATE BASE COURSE	100	LF	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 8"
80	TON	INCIDENTAL STONE BASE			WATER PIPE NOT IN SOIL
740	TON	ASPHALT CONC BASE COURSE, TYPE	425	LF	TEMPORARY SILT FENCE
		B25.0B	175	TON	STONE FOR EROSION CONTROL, CLASS A
510	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	575	TON	STONE FOR EROSION CONTROL,
980	TON	ASPHALT CONC SURFACE COURSE,	313	TOIN	CLASS B
		TYPE S9.5A	192	TON	SEDIMENT CONTROL STONE
120	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	3	ACR	TEMPORARY MULCHING
5	TON	ASPHALT PLANT MIX, PAVEMENT	100 0.5	LB TON	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
		REPAIR			ING
21	EA	RIGHT OF WAY MARKERS	100	LF	TEMPORARY SLOPE DRAINS
4	EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH GRATE, STD 840.29	4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
400	LF	SHOULDER BERM GUTTER	1,535	CY	SILT EXCAVATION
700	LF	STEEL BM GUARDRAIL	700	SY	SYNTHETIC ROVING
5	EA	ADDITIONAL GUARDRAIL POSTS	1,130	SY	MATTING FOR EROSION CONTROL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	225	SY	COIR FIBER MAT
		III	80	LF	1/4" HARDWARE CLOTH
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	4	ACR	SEEDING & MULCHING
20	TON	350 PLAIN RIP RAP, CLASS I	2	ACR	MOWING
160	TON	PLAIN RIP RAP, CLASS B	50	LB	SEED FOR REPAIR SEEDING
650	SY	FILTER FABRIC FOR DRAINAGE	0.25	TON	FERTILIZER FOR REPAIR SEEDING
559	SF	WORK ZONE SIGNS (STATIONARY)	75	LB	SEED FOR SUPPLEMENTAL SEEDING
144	SF	WORK ZONE SIGNS (BARRICADE	3 2	TON HR	FERTILIZER TOPDRESSING SPECIALIZED HAND MOWING
		MOUNTED)	12	EA	RESPONSE FOR EROSION CONTROL
4	EA	WARNING FLAG SETS	0.07		
30	EA	DRUMS			
192	LF	BARRICADES (TYPE III)			
3,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			CEDITORINE ITEMS
3,632	LF	THERMOPLASTIC PAVEMENT MARKING			STRUCTURE ITEMS
23	EA	LINES (4", 120 MILS) SNOWPLOWABLE RAISED PAVEMENT	Lumn Sum	LS	CONSTRUCTION, MAINTENANCE, &
90	TON	MARKERS FOUNDATION CONDITIONING MATE-	Lump Sum	Lo	REMOVAL OF TEMP ACCESS AT STA
70	1011	RIAL, UTILITIES CLASS *******			**************************************
90	TON	(IV) BEDDING MATERIAL, UTILITIES	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
		CLASS ************(IV)			(27+49.00-L-)
25	TON	PAVEMENT REPAIR FOR UTILITY	1	EA	DYNAMIC LOAD TEST
		WORK	500	CY	UNCLASSIFIED STRUCTURE EXCAVA- TION
115	LF	6" DI WATER PIPE, PC 350	7,608	SF	REINFORCED CONCRETE DECK SLAB
1,677	LF	8" DI WATER PIPE, PC 350	6,169	SF	GROOVING BRIDGE FLOORS
55	LF	12" DI WATER PIPE, PC 350	78.5	CY	CLASS A CONCRETE (BRIDGE)
225	LF	3/4" COPPER WATER PIPE, TYPE K			

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Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(27+49.00-L-)
12,087	LB	REINFORCING STEEL (BRIDGE)
906.33	LF	54" PRESTRESSED CONCRETE GIR- DERS
710	LF	HP12X53 STEEL PILES
500	LF	PP ** X **** STEEL PILES
		(30 X 0.625)
457.6	LF	CONCRETE BARRIER RAIL
501	TON	PLAIN RIP RAP CLASS II (2'-0"
		THICK)
556	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

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L041019 011

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

DIV OFFICE SHELBY **CONTRACT ID: C201005** 33288.3.1 LENGTH = 0.227 MI

COUNTY : GASTON

GRADING, DRAINAGE, PAVING & CULVERT.

12,800 CY BORROW EXCAVATION 200 CY DRAINAGE DITCH EXCAVATION 200 CY SELECT GRANULAR MATERIAL 500 SY FABRIC FOR SOIL STABILIZATION 325 SF TEMPORARY SHORING

196 LF

131 LF

175 TON

505 TON

575 TON

25 TON

46 SY

5 EA 4 EA

20

22

295 SY

18.5 SF

> 42 LF

4 EA

11 EA

388

94 SF

30 EA

112 LF

128 HR 30 EA

19,200 LF

> 30 EA

700 LF

140

5.5

200 LB 0.75 TON

170

955 CY

135 TON

465 TON

30 EA

EA

475 LF

70 TON

1,055 GAL PRIME COAT

B25.0B

TYPE SF9.5A

REPAIR

SIGN (E)

CHANNEL

MOUNTED)

DRUMS CONES

FLAGGER

MARKERS

MARKERS

CLASS A

CLASS B

ING

GRADE PG 64-22

TON PLAIN RIP RAP, CLASS I

TON PLAIN RIP RAP, CLASS B

21 TON FOUNDATION CONDITIONING MATE-RIAL, MINOR STRS

PIPE REMOVAL 1,515 TON AGGREGATE BASE COURSE 100 TON INCIDENTAL STONE BASE

18" CS PIPE CULVERTS, 0.064"

ASPHALT CONC BASE COURSE, TYPE

ASPHALT CONC INTERMEDIATE

ASPHALT CONC SURFACE COURSE,

ASPHALT BINDER FOR PLANT MIX,

ASPHALT PLANT MIX, PAVEMENT

ADDITIONAL GUARDRAIL POSTS

FILTER FABRIC FOR DRAINAGE

PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON CONTRACTOR FURNISHED, TYPE \*\*\*

SUPPORTS, 3-LB STEEL U-CHANNEL

WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)

WORK ZONE SIGNS (BARRICADE

TEMPORARY RAISED PAVEMENT

PAINT PAVEMENT MARKING LINES

PERMANENT RAISED PAVEMENT

STONE FOR EROSION CONTROL,

STONE FOR EROSION CONTROL,

SEED FOR TEMPORARY SEEDING

FERTILIZER FOR TEMPORARY SEED-

TEMPORARY SILT FENCE

TON SEDIMENT CONTROL STONE ACR TEMPORARY MULCHING

LF TEMPORARY SLOPE DRAINS 3 EA INLET PROTECTION AT TEMPORARY SLOPE DRAINS

SILT EXCAVATION 1,155 SY MATTING FOR EROSION CONTROL

SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-

BARRICADES (TYPE III)

GUARDRAIL ANCHOR UNITS, TYPE

6" CONCRETE DRIVEWAY

STEEL BM GUARDRAIL

COURSE, TYPE I19.0B

DBE GOAL 13.0% COMPLETION DATE: DEC 31 2005

#### CULVERT OVER SOUTH CROWDER'S CREEK & APPROACHES ON SR-1112.

		ROADWAY ITEMS	6	ACR	SEEDING & MULCHING
		110.12 11111111	3	ACR	MOWING
			50	LB	SEED FOR REPAIR SEEDING
Lump Sum	LS	MOBILIZATION	0.25	TON	FERTILIZER FOR REPAIR SEEDING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	124	LB	SEED FOR SUPPLEMENTAL SEEDING
		BING	4.5	TON	FERTILIZER TOPDRESSING
600	CY	UNDERCUT EXCAVATION	280	LF	IMPERVIOUS DIKE
Lump Sum	LS	GRADING	1.5	HR	SPECIALIZED HAND MOWING
200	TON	CLASS IV SUBGRADE STABILIZA-	12	EA	RESPONSE FOR EROSION CONTROL
		TION	0.86	ACR	REFORESTATION

,	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
IAL, BOX CULVERT 239.6 CY CLASS A CONCRETE (CULVERT)	Lump Sum	LS	CULVERT EXCAVATION, STA *****
,	160	TON	
39,226 LB REINFORCING STEEL (CULVERT)	239.6	CY	CLASS A CONCRETE (CULVERT)
	39,226	LB	REINFORCING STEEL (CULVERT)

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L041019 012

#### FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200826 33046.3.2 DIV OFFICE ASHEVILLE LENGTH = 0.225 MI

COUNTY : BURKE

GRADING, DRAINAGE, PAVING & STRUCTURE.

2 EA DISPOSAL OF SIGN SYSTEM, WOOD
307 SF WORK ZONE SIGNS (STATIONARY)
94 SF WORK ZONE SIGNS (BARRICADE MOUNTED)
4 EA WARNING FLAG SETS
120 LF BARRICADES (TYPE III)
8,400 LF PAINT PAVEMENT MARKING LINES

700 LF TEMPORARY SILT FENCE

#### DBE GOAL 6.0% COMPLETION DATE: NOV 15 2005

#### BRIDGE OVER CATAWBA RIVER & APPROACHES ON SR-1223.

		ROADWAY ITEMS	120	TON	STONE FOR EROSION CONTROL, CLASS A
			530	TON	STONE FOR EROSION CONTROL, CLASS B
Lump Sum	LS	MOBILIZATION	520	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	3	ACR	TEMPORARY MULCHING
		(20+15.00)	100	LB	SEED FOR TEMPORARY SEEDING
Lump Sum	LS	GRADING	0.5	TON	FERTILIZER FOR TEMPORARY SEED-
1	ACR	SUPPLEMENTARY CLEARING & GRUB-			ING
		BING	775	CY	SILT EXCAVATION
300	CY	UNDERCUT EXCAVATION	1,240	SY	MATTING FOR EROSION CONTROL
25	CY	DRAINAGE DITCH EXCAVATION	360	SY	PERMANENT SOIL REINFORCEMENT MAT
700	CY	SELECT GRANULAR MATERIAL	40	LF	1/4" HARDWARE CLOTH
500	SY	FABRIC FOR SOIL STABILIZATION	16	EA	SPECIAL STILLING BASINS
1,000	TON	SELECT MATERIAL, CLASS IV	3.5	ACR	SEEDING & MULCHING
35	TON	FOUNDATION CONDITIONING MATE-	2	ACR	MOWING
76	T.F.	RIAL, MINOR STRS	50	LB	SEED FOR REPAIR SEEDING
76	LF	15" RC PIPE CULVERTS, CLASS III	0.25	TON	FERTILIZER FOR REPAIR SEEDING
64	LF	18" RC PIPE CULVERTS, CLASS	75	LB	SEED FOR SUPPLEMENTAL SEEDING
0.		III	2.5	TON	FERTILIZER TOPDRESSING
64	LF	30" RC PIPE CULVERTS, CLASS	2	HR	SPECIALIZED HAND MOWING
		III	8	EA	RESPONSE FOR EROSION CONTROL
80	LF	48" RC PIPE CULVERTS, CLASS	500	LF	GENERIC EROSION CONTROL ITEM
		III			SAFETY FENCE
67	LF	PIPE REMOVAL			
1,100	TON	AGGREGATE BASE COURSE			
50	TON	INCIDENTAL STONE BASE			STRUCTURE ITEMS
600	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B			STRUCTURE TIEMS
300	TON	ASPHALT CONC SURFACE COURSE,			
300	10	TYPE S9.5A	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
100	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	Zunp Jun	LU	AT STATION ************************************
23	EA	RIGHT OF WAY MARKERS	20	LF	PILE EXCAVATION IN SOIL
120	CY	SUBDRAIN EXCAVATION	20	LF	PILE EXCAVATION NOT IN SOIL
90	CY	SUBDRAIN FINE AGGREGATE	35.45	LF	3'-6" DIA DRILLED PIERS IN SO
500	LF	6" PERFORATED SUBDRAIN PIPE			IL
15	EA	6" SUBDRAIN PIPE WYES, TEES, &	56	LF	3'-6" DIA DRILLED PIERS NOT IN
		ELBOWS			SOIL
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	1	EA	CROSSHOLE SONIC LOGGING
		OUTLET	445.75	LF	CSL TUBES
6	LF	6" OUTLET PIPE (SUBDRAINS)	707	CY	UNCLASSIFIED STRUCTURE EXCAVA- TION
12 2	CY	ENDWALLS  MASONDY DRAINAGE STRUCTURES	7,649	SF	REINFORCED CONCRETE DECK SLAB
2	EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD	8,422	SF	GROOVING BRIDGE FLOORS
2	EA	840.29	145.7	CY	CLASS A CONCRETE (BRIDGE)
50	LF	SHOULDER BERM GUTTER	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
275	LF	STEEL BM GUARDRAIL			******
287.5	LF	STEEL BM GUARDRAIL, SHOP			(20+15.00 -L-)
		CURVED	31,127	LB	REINFORCING STEEL (BRIDGE)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	2,140	LB	SPIRAL COLUMN REINFORCING
			392,000	1.0	STEEL (BRIDGE)
1	EA	(III, SHOP CURVED) GUARDRAIL ANCHOR UNITS, TYPE	392,000	LS	APPROX LBS STRUCTURAL STEEL
1	LA	AT-1	51	LF	HP12X53 STEEL PILES
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	355.09		CONCRETE BARRIER RAIL
		III		TON	
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	170	GV.	THICK)
160	LF	REMOVE EXISTING GUARDRAIL	179	SY	FILTER FABRIC FOR DRAINAGE
20	TON	PLAIN RIP RAP, CLASS B	Lump Sum	LS	ELASTOMERIC BEARINGS
1,050	SY	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	EVAZOTE JOINT SEALS
17	SF	CONTRACTOR FURNISHED, TYPE ***			
• /		SIGN			
		(E)			
31	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
4	EA	SIGN ERECTION, TYPE E			
4	EA	DISPOSAL OF SIGN SYSTEM, U-			
		CHANNEL			

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L041019 013

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

**CONTRACT ID: C200827** 33088.3.2 **DIV OFFICE SYLVA** LENGTH = 0.133 MI

: HAYWOOD

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE: SEP 30 2005

#### BRIDGE OVER PIGEON RIVER OVERFLOW & APPROACHES ON US-276.

#### ROADWAY ITEMS

Lump Sum LS MOBILIZATION

Lump Sum LS GENERIC MISCELLANEOUS ITEM

ROADWAY CONSTRUCTION

#### STRUCTURE ITEMS

 $\begin{array}{ccc} \text{Lump Sum} & \text{LS} & \text{REMOVAL OF EXISTING STRUCTURE} \\ & \text{AT STATION **************} \end{array}$ (15+18.00 -L-) Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA-TION AT STATION \*\*\*\*\*\*\* (15+18.00 -L-) 490 LF HP12X53 STEEL PILES 510 LF PP 18 X 0.50 STEEL PILES 355 TON PLAIN RIP RAP CLASS II (2'-0" THICK)

Lump Sum LS CONSTRUCTION OF SUBSTRUCTURE Lump Sum LS CONSTRUCTION OF SUPERSTRUCTURE